

**Functions 函數:**

1 若  $n=14$ , 求以下表示式的值。

	Expressions 表示式	Value 值		Expressions 表示式	Value 值
A	$20 - 2 * (n / 2)$		K	$\text{ceil}(n / 5.0)$	
B	$5 - n \% 4$		L	$\text{floor}(n / 5.0)$	
C	$n \% 10 + 1$		M	$\text{round}(n / 5.0) * 5$	
D	$(n+1) \% 5$		N	$'a' - 'A'$	
E	$n - (n / 5) * 5$		O	$\text{sqrt}(\text{pow}(-3, 2))$	
F	$n \% 5$		P	$\text{abs}(10 - 100)$	
G	$n / 5$		Q	$\text{abs}('@' - '6')$	
H	$n - n \% 5$		R	$'E' - 'A'$	
I	$n / 5.0$		S	$(\text{char})('f' - 'a' + 'A')$	
J	$n / 100$		T	$(\text{int}) \text{floor}(1234.9) / 100 * 100$	

**Boolean expressions 布爾表示式**

2. 求以下表示式的值。假如 `int A=3, B=4, C=5;`

	Boolean expressions 布爾表示式 (1=TRUE / 0=FALSE)	Result
A	<code>printf ("%i", (-6 &gt; 5));</code>	
B	<code>printf ("%i", ((A+6) &gt; (C+4)));</code>	
C	<code>printf ("%i", !(A+B&lt;0));</code>	
D	<code>printf ("%i", (3&gt;3)    (C&gt;0));</code>	
E	<code>printf ("%i", (A!=10) &amp;&amp; (C&lt;=7));</code>	
F	<code>printf ("%i", ('A'=='a'));</code>	
G	<code>if('A'=='a') printf("1"); else printf("0");</code>	
H	<code>printf ("%i", ('A'=='a')?1:0);</code>	
I	<code>printf ("%i", strcmp("AB", "EF"));</code>	
J	<code>printf ("%i", strcmp("ABC", "ABCD"));</code>	
K	<code>printf ("%i", strcmp("LEE", "LI"));</code>	
L	<code>printf ("%i", strcmp("Lee", "LI"));</code>	
M	<code>printf ("%i", strcmp("Lee", "Lee"));</code>	
N	<code>if(strcmp("The", "the")) x=1; else x=0; printf ("%i", x);</code>	
O	<code>char gender='X'; if(gender=='M') puts("男"); else puts("女");</code>	

**Assignment statements** 賦值句子

1. 若  $a = 5, b = 3, c = 2$ , 求  $a, b, c$  的最終值?

	執行以下 C 句子	a	b	c
A	$c = a;$ $a = b;$ $b = c;$			
B	$c = a;$ $b = c;$ $a = b;$			
C	$a = b;$ $b = a;$ $c = a+b;$			
D	$a = b*2;$ $b = a*2;$ $c = b*c;$			

2. 若  $a = 4, b = 2, c = 1$ , 求  $a, b, c$  的最終值?

	執行以下 C 句子	a	b	c
A	$c = a+b;$ $b = a+c;$ $a = b+c;$			
B	$c = a+b-c;$ $b = a+b-c;$ $a = a+b-c;$			
C	$a = b;$ $b = a;$ $c = a+b;$			

3 執行以下 C 句子，並寫下輸出。 int a=10, b=20;

	C 句子	輸出
A	<code>printf ("A+B = A-B");</code>	
B	<code>printf ("A+B = %i-%i", a, b);</code>	
C	<code>printf ("A = %i B = %i", a+b, a-b);</code>	

4 寫出以下 x 值的可能範圍

	C 句子	x 值的可能範圍
A	<code>x = rand();</code>	
B	<code>x = rand()%10;</code>	
C	<code>x = rand()%10 +5;</code>	
D	<code>x = rand()%5 +rand()%4;</code>	
E	<code>x = rand()%5 -rand()%4;</code>	
F	<code>x = abs(rand()%5 -rand()%4);</code>	

**While-loops**

1. 寫出下列程式所產生的輸出

	程式 Program statements	輸出 Output
A	<pre>i=0; while (i&lt;=5){     i=i+1;     printf ("%i", i); }</pre>	
B	<pre>i=0; while (i&lt;5){     i++;     printf ("%i", i); }</pre>	
C	<pre>i=0; while (i&lt;=5){     printf ("%i", i);     ++i; }</pre>	
D	<pre>n=1; sum = 0; while (sum&lt;100){     sum += n;     n+=20; } printf ("%i %i", n, sum);</pre>	

E	<pre>n = 0; while (n&lt;5)     printf ("%i\t", n); printf (" #");</pre>	
F	<pre>n = 1; while (n&lt;=5){     n = n+1;     printf ("%2i", n); }</pre>	
G	<pre>n = 1; while (n&lt;5)     printf ("%2i", n++);</pre>	
H	<pre>n = 10; while (n&lt;5){     n = n-1;     printf ("%02i", n); } printf (" #");</pre>	
I	<pre>x = 1; while (x&lt;=10) x = x+1; printf ("%i\n", x);</pre>	

**While-loops**

1. 寫出下列程式所產生的輸出

	程式 Program statements	輸出 Output
A	<pre>n = 10; while (n&gt;5){     n = n-1;     printf ("%2d", n); } printf (" #");</pre>	
B	<pre>scanf ("%i", &amp;n); // input = 1234 while (n&gt;0){     printf ("%3i", n%10);     n = n/10; } printf ("#");</pre>	
C	<pre>scanf ("%f", &amp;n); // input = 0.37 printf ("0."); c = 0; while (n&gt;0 &amp;&amp; c&lt;4){     n = n*2;     c = c+1;     if(n&gt;=1) printf ("1");     else printf ("0");     if(n&gt;=1) n = n-1; }</pre>	
D	<pre>scanf ("%i", &amp;x); // input = 1234 n = 0; y = x; d = 1;  while (y&gt;=10){     n++;     y = y / 10;     d = d * 10;     printf ("%5d %8d %8d \n", n,y,d); }</pre>	
E	<pre>a = 50; b = 14; c = 999;  while (c&gt;0){     c = a%b;      if(c&gt;0){         a = b;         b = c;     } } printf ("The GCD is %i \n", b);</pre>	

## While-loops

1. 寫出下列程式所產生的輸出

	程式	輸出
A	<pre>scanf ("%i", &amp;n);           // input = 9 c = 0; while (n&gt;0){     if((n&gt;7)    ((n&gt;0) &amp;&amp; (n&lt;4)))         n = n-8;     else         n = n+10;     printf ("%3i ", n)     c++; } printf ("%3i \n", c);</pre>	
B	<pre>prin = 121000;           // principal(本金) pay = 12000; rate = 1.01; n = 0;  while (prin &gt; 0){     n++;     prin = prin * rate - pay;     prin = floor (prin / 1000) * 1000;     if(n&gt;9)         printf ("%3d %10.0f \n", n, prin); }</pre>	
C	<pre>scanf ("%i", &amp;x);           // input = 1924 n = 1; y = x; d = 1;  while (y&gt;=10){     n++;     y = y / 10;     d = d * 10; } for(k=1; k&lt;=n; k++){     printf ("%i \n", x/d);     x = x % d;     d = d / 10; } printf ("\n");</pre>	

D	n = ??? char S[20] = "123Chan45Tai67Man89"; printf ("#"); while (n<19){ n++; printf ("%c ", S[n]); }	n = 15;	n = 19;
E	n = ??? char S[20] = "123Chan45Tai67Man89"; while (n<19 && S[n]<'a') n++; printf ("%i \n", n);	n = 1;	n = 10;

**Iterations 循環 (For-loops)**

1 求以下 C 句子的輸出

	C 句子	輸出
A	<pre>for(k=0; k&lt;5; k++){     printf ("%d", k);</pre>	
B	<pre>for(k=5; k&lt;0; k++)     printf ("%5d", k); printf (" #\n");</pre>	
C	<pre>for(k=1; k&lt;=4; k++)     printf ("%5d", k);</pre>	
D	<pre>a = 1; b = 0; for(k=1; k&lt;6; k++){     c = a+b;     a = b;     b = c;     printf ("%5d", c); } printf (" #");</pre>	
E	<pre>y = 1; for(k=0; k&lt;3; k++){     printf ("%5d", y);     y = y*2; } printf ("%i \n", y);</pre>	
F	<pre>y = 1; for(k=-1; k&lt;=1; k++)     printf ("%5d", y);     y = y*2; printf ("%i \n", y);</pre>	
G	<pre>n = 10; for(k=1; k&lt;=n; k++){     printf ("%5d", k);     if(k%7==0) printf ("\n"); }</pre>	
H	<pre>d1 = 5; printf ("%*s", d1*5, " "); for(k=1; k&lt;=10; k++){     printf ("%5d", k);     if((d1+k)%7==0)         printf ("\n"); }</pre>	

**Iterations 迴路 (For-loops)**

1. 求以下 C 句子的輸出

	C 句子	輸出
A	for(k=3; k<=7; k++) printf ("%3d", 9-abs(k-5));	
B	ch = '@'; n = 5; for(k=0; k<n; k++) printf ("%2c", ch); printf ("\n#");	
C	for(ch='A'; ch<'D'; ch++) printf ("%i %4c \n", ch, ch);	
D	n = 12.4; for(k=10; k<=floor(n); k++) printf ("%5c", (k+ 'A'));	

E	x = 1; for(k=2; k>=-2; k--) x = x * k; printf ("%i \n", x);	
F	sum = 0; for(k=1; k<6; k++) sum = pow(k,2); printf ("%i\n", sum);	
G	sum = 0; for(k=1; k<6; k++) sum += pow(k,2); printf ("Sum = %i\n", sum);	
H	for(k=-2; k<=2; k++) printf ("%5d", 10-k);	

I	for(k=1; k<=4; k++) printf ("%5d", k);	
J	for(k=65; k<=67; k++) printf ("%i %3c", k, k);	
K	for(k=1; k<4; k++) printf ("%i %*c \n", k,k,'#');	
L	for(k=0; k<4; k++) printf ("%i", k*2+1);	

**Iterations 迴路 (For-loops)** 求以下 C 句子的輸出

	C 句子	輸出
A	<pre>x = 0; for(k=-2; k&lt;=2; k++)     x = x + abs(k); printf ("%i \n", x);</pre>	
B	<pre>x = 1; for(k=2; k&gt;=-2; k--)     x = 2*(x-1) +k; printf ("%i \n", x);</pre>	
C	<pre>x = 1; for(k=5; k&gt;1; k--)     x = 2*x +1; printf ("%i \n", x);</pre>	
D	<pre>for(k=0; k&lt;3; k++){     printf ("O");     printf ("X\n"); }</pre>	
E	<pre>for(k=0; k&lt;3; k++){     printf ("O\n");     printf ("X"); }</pre>	
F	<pre>for(k=0; k&lt;3; k++)     printf ("O");     printf ("X");</pre>	
G	<pre>for(k=0; k&gt;3; k--);     printf ("O");     printf ("X");</pre>	
H	<pre>for(k=1; k&lt;=3; k++)     printf ("6 x %i = %i \n", k, 5*k);</pre>	
I	<pre>for(k=1; k&lt;=3; k++)     printf ("%i \n", pow(2*k,2));</pre>	
J	<pre>for(k=1; k&lt;=5; k++)     if(k%2==1) printf ("%i", k);     else printf ("%i", -k);</pre>	
K	<pre>for(ch1='A'; ch1&lt;='B'; ch1++){     for(ch2='A'; ch1&lt;='B'; ch2++)         printf ("%c %c \n", ch1, ch2);     printf ("\n"); }</pre>	

**For-loops**

1. To find the sum of the first n consecutive integers (i.e. sum = 1 + 2 + 3 + ... + n) 求n個連續數之和

Program segments	Output
do{	Q: Enter a positive # n (>0): 4
printf ("Q: Enter a positive # n (>0) : ");	A: Sum = 1+2+3+4=10
scanf ("%i", &n);	
sum =	Q: Enter a positive # n (>0): 9
printf ("A: Sum = ");	A: Sum = 1+2+3+4+5+6+7+8+9=45
	...
for(k=1;	Q: Enter a positive # n (>0): 0
sum =	A: Bye!
if(k<n) printf	
else printf	
}	
printf ("%i\n\n", sum);	
}while (n>0);	
printf ("A: Bye\n");	

2. To find the sum of the first n odd integers (i.e. sum = 1 + 3 + 5 + ... + 2n-1) 求n個連續單數之和

Program segments	Output
do{	Q: Enter a +ve integer n (>0): 6
printf ("Q: Enter a +ve integer n (>0) : ");	A: Sum = 1+3+5+7+9+11=36
scanf ("%i", &n);	
sum =	Q: Enter a +ve integer n (>0): 7
printf ("A: Sum = ");	A: Sum = 1+3+5+7+9+11+13=49
	...
for(k=1;	Q: Enter a +ve integer n (>0): 0
sum =	A: Bye!
if(k<n) printf	
else printf	
}	
printf ("%i\n\n", sum);	
}while (n>0);	
printf ("A: Bye!\n");	

3. To calculate the factorial (n!) of n, where n! = n × (n-1) × ...× 3 × 2 × 1. 求n個連續數之積

Program segments	Output
do{	Q: Enter a pos integer n (>0): 10
printf ("Q: Enter a pos integer n (>0) : ");	A: 10!=10x9x8x7x6x5x4x3x2x1=3628800
scanf ("%i", &n);	
factorial =	Q: Enter a pos integer n (>0): 5
printf ("A: %i ! = ", n);	A: 5!=5x4x3x2x1=120
	...
for(k=	
factorial =	
printf ×	
}	
printf (" 1 = %.0f \n",	
}while (n>0);	

**Iterations (Nested For-loops)**

	Program segments	Output
A	<pre>sum = 0; for(i=1; i&lt;=4; i++)     for(j=1; j&lt;=3; j++)         sum = sum + i*j; printf ("%i", sum);</pre>	
B	<pre>for(i=1; i&lt;=2; i++)     for(j=2; j&lt;=3; j++)         printf ("%i - %i \n", i, j);</pre>	
C	<pre>for(i=1; i&lt;=2; i++)     for(j=3; j&gt;i; j--)         printf ("%i + %i \n", i, j);</pre>	
D	<pre>for(i=1; i&lt;=3; i++){     printf ("%c", i+64);     for(j=1; j&lt;=3; j++)         printf ("%3d", j);     printf ("\n"); }</pre>	
E	<pre>char A[] = "1234"; sum = 0; for(n=2; n&lt;= strlen(A); n++)     sum = sum + A[n] * (5-n); printf ("%i\n", sum);</pre>	

已知: int score[40][3];

假設輸入是: 1,2,3, ..., 120

F	<pre>for(st=1; st&lt;=40; st++){     for(subj=1; subj&lt;=3; subj++)         scanf (" %i", &amp;score [st][subj]); } printf ("%i", score [2][1]);</pre>	
G	<pre>for(subj=1; subj&lt;=3; subj++){     for(st=1; st&lt;=40; st++)         scanf (" %i", &amp;score [st][subj]); } printf ("%i", score [2][1]);</pre>	

H	<pre>for(st=1; st&lt;=40; st++){     for(subj=1; subj&lt;=3; subj++)         scanf (" %i", &amp;score [subj][st]); } printf ("%i", score [2][1]);</pre>	
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## For-loops

1. To display the alphabets (A to Z) on the screen. 顯示字母

Program segments	Output
printf ("Q: From alphabet (A-Z) : "); scanf ("%c", &frCh);	Q: From alphabet (A-Z) : C
printf (" To alphabet (A-Z) : "); scanf ("%c", &toCh);	To alphabet (A-Z) : K
printf ("A: ");	A: CDEFGHIJK
for (ch=	printf ("%c", ch);
printf ("\n");	

2. To display the alphabets (A to Z) on the screen. 顯示字母

Program segments	Output
printf ("Q: From alphabet (1-26) : "); scanf ("%i", &x);	Q: From alphabet (1-26) : 3
printf (" To alphabet (1-26) : "); scanf ("%i", &y);	To alphabet (1-26) : 11
printf ("A: ");	A: CDEFGHIJK
for (n=	printf ("%c",
printf ("\n");	

3. To display a triangle of stars (asterisks) on the screen with its vertex pointing upward.

Program segments		Output
for(x=1; for(y=1; printf (" * "); printf ("\n"); } }	for(x=5; for(y=1; printf (" * "); printf ("\n"); } }	* * * * * * * * * * * * * * *

4. To display a triangle of stars (asterisks) on the screen with its vertex pointing downward.

Program segments		Output
for(x=5; for(y=1; printf (" * "); printf ("\n"); } }	for(x=1; for(y=1; printf (" * "); printf ("\n"); } }	* * * * * * * * * * * * * * *

5. To display a triangle of stars (asterisks) on the screen with its vertex pointing downward.

Program segments	Output
for(x=5; printf ("%*s" , for(y=1; printf (" * "); printf ("\n"); } }{ }	* *

## C Programming #12

Name: ( ) Class: F. Mark: /10 Date: / /2010

### For-loops

1. To display the alphabets (A to Z) on the screen. 顯示字母

Program segments	Output
printf ("Q: From alphabet (A-Z) : "); scanf ("%c", &frCh);	Q: From alphabet(A-Z): C
printf (" To alphabet (A-Z) : "); scanf ("%c", &toCh);	To alphabet(A-Z): K
printf ("A: ");	A: CDEFGHIJK
if	
for(ch=	printf ("%c", ch);
else	To alphabet(A-Z): C
for(ch=	printf ("%c", ch);
printf ("\n");	A: CDEFGHIJK

2. To display a triangle of stars (asterisks) on the screen with its vertex pointing upward.

Program segments	Output 輸出
<pre>for(x=1; x&lt;=5; x++) {     printf ("%*s", (5-x)*2, " ");     for(y=1;         printf ("* ");     printf ("\n"); }</pre>	<pre>for(x=5; x&gt;=1; x--) {     printf ("%*s",     for(y=1;         printf ("* ");     printf ("\n"); }</pre>

3. To display a triangle of stars (asterisks) on the screen with its vertex pointing downward.

Program segments	Output 輸出
<pre>for(x=5;     printf ("%*s",     for(y=1;         printf ("* ");     printf ("\n"); }</pre>	<pre>for(x=1;     printf ("%*s",     for(y=1;         printf ("* ");     printf ("\n"); }</pre>

4. To display a triangle of stars (asterisks) on the screen with its vertex pointing downward.

Program segments	Output 輸出
<pre>for(x=1;     printf ("%*s",     for(y=1;         printf ("* ");     printf ("\n"); }</pre>	<pre>*  * *  * * *  * * * *  * * * * *  * * * * * *</pre>

5. To accept user input via keyboard until valid.

Program segments	Output 輸出
<pre>do{     printf ("Q: Enter choice (A-D,Q) ? ");     scanf     opt =     valid = ((opt=='Q')     if(!valid) printf ("A: Invalid input!\n"); }while (!valid);</pre>	<pre>Q: Enter choice (A-D,Q) ? Z A: Invalid input! ... Q: Enter choice (A-D,Q) ? A A: OK!</pre>

**For-loops + Array**

1 What is the output after the execution of the following program segments? 有什麼輸出

	Program segments	Output
A	<pre>for(k=1; k&lt;=5; k++){     A[k] = k * 2 - 1;     printf ("%i", A[k]); }</pre>	
B	<pre>for(k=1; k&lt;=5; k++){     A[k] = (k*5) % 3 + 1;     printf ("%3d", A[k]);     if(k%3==0) printf ("\n"); }</pre>	
C	<pre>A[1] = 5; A[2] = 1; A[3] = 4; A[4] = 3; A[5] = 2;  for(k=1; k&lt;=5; k++)     if(A[k]&gt;A[6-k])         printf ("%3d", A[k]);</pre>	
D	<pre>for(x=0; x&lt;=3; x++)     for(y=1; y&lt;=4; y++)         A[4*x+y] = x + y*2; printf ("%i", A[11]);</pre>	

E	<pre>for(n=1; n&lt;=10; n++) A[n] = 10-n; printf ("%i", A[4]);</pre>	
F	<pre>for(n=1; n&lt;=10; n++) A[n] = n; for(n=1; n&lt;=5; n++) A[n] = A[11-n]; printf ("%i", A[4]);</pre>	
G	<pre>for(n=1; n&lt;=5; n++) A[n] = n; for(n=1; n&lt;=4; n++) A[n] = A[n+1]; for(n=1; n&lt;=5; n++) printf ("%i", A[n]);</pre>	
H	<pre>for(n=1; n&lt;=5; n++) A[n] = n; for(n=2; n&lt;=5; n++) A[n] = A[n-1]; for(n=1; n&lt;=5; n++) printf ("%i", A[n]);</pre>	

I	<pre>for(n=1; n&lt;=5; n++) A[n] = n; for(n=4; n&gt;=1; n--) A[n+1] = A[n]; for(n=1; n&lt;=5; n++) printf ("%i", A[n]);</pre>	
J	<pre>for(n=1; n&lt;=5; n++) A[n] = n; for(n=4; n&gt;=1; n--) A[n] = A[n+1]; for(n=1; n&lt;=5; n++) printf ("%i", A[n]);</pre>	

**For-loops + Array**

Write program segments to perform the same tasks as shown on the right. 改寫句子  
int A[10];

1. To find the sum of all elements of the array A[]. 陣列 A[] 所有元素的總和

sum = 0; for(n=1; n< 10; n++) sum = sum + A[n];	sum = A[1] + A[2] + ... + A[9];
---	---------------------------------

2. To find the product of all elements of the array A[]. 陣列 A[] 所有元素的積

product = 1; for(n=1; n< 10; n++) product = product * A[n];	product = A[1] * A[2] * ... * A[9];
---	-------------------------------------

3. To accept inputs from user via keyboard and put the input values into the element of the array A[].

for(n=1; n< 10; n++) scanf ("%i \n", &A[n]);	scanf ("%i \n", A[1]); ... scanf ("%i \n", A[9]);
---	---

4. To output the value stored in each element of the array A[].

for(n=1; n< 10; n++) printf ("%i \n", A[n]);	printf ("%i \n", A[1]); ... printf ("%i \n", A[9]);
---	---

5. To reverse 倒轉 the values of the elements in the array A[]. (i.e. swap the values of A[1] and A[9], ...)

for(n=1; n< 10; n++) temp = A[n]; A[n] = A[9-n]; A[9-n] = temp;	A[1] ↔ A[9] 對換 A[2] ↔ A[8] A[3] ↔ A[7] A[4] ↔ A[6]
--	---

6. To shift up/down the values of the elements in array A[].

for(n=1; n< 9; n++) A[n] = A[n+1];	A[1] = A[2]; { shift up 上移 } A[2] = A[3]; ... A[8] = A[9];
for(n=8; n>0; n--) A[n] = A[n-1];	... A[5] = A[4]; { shift down 下移 } ... A[1] = A[0];

7. To rotate up/down the values of the elements in array A[].

temp = A[0]; for(n=1; n<=8; n++) A[n] = A[n+1]; A[9] = temp;	A[1] = A[2]; { rotate up } A[2] = A[3]; ... A[9] = A[1];
temp = A[9]; for(n=9; n>0; n--) A[n] = A[n-1]; A[0] = temp;	... A[5] = A[4]; { rotate down } ... A[1] = A[9];

**Sub-programs**

1. 寫出下列程式所產生的輸出

程式碼 Program listing	
<pre>#include &lt;stdio.h&gt; int A, B, C;  void p1(){     C = A+B; }  void p2 (int X, int Y){     float C = X+Y; }  void p3 (int X, int Y){     C = X+Y;     X = Y = 0; }</pre>	<pre>void p4 (int *X, int *Y){     if(*X==*Y) *X+=*Y;     if(*X&lt;*Y) *X=*Y;     else *Y=*X; }  void p5 (int *X, int *Y){     if(*X==*Y) *X+=*Y;     else if(*X&lt;*Y) *X=*Y;     else *Y=*X; }  void p6 (int *X, int *Y, int *Z){     int T=*X;     *X=*Y; *Y=*Z; *Z=T; }  main(){. . .}</pre>

程式碼 Program statements	輸出 Output
a A=1; B=3; C=5; p1(); printf ("%i %3i %3i \n", A, B, C);	
b A=1; B=3; C=5; p2(A,B); printf ("%i %3i %3i \n", A, B, C);	
c A=1; B=3; C=5; p3(A,B); printf ("%i %3i %3i \n", A,B,C); p3(B,C); printf ("%i %3i %3i \n", A,B,C);	
d A=1; B=3; C=5; p4(A,B); printf ("%i %3i %3i \n", A,B,C); p4(C,B); printf ("%i %3i %3i \n", A,B,C);	
e A=1; B=3; C=5; p5(B,A); printf ("%i %3i %3i \n", A,B,C); p5(A,B); printf ("%i %3i %3i \n", A,B,C);	
f A=1; B=3; C=5; p6(A,B,C); printf ("%i %3i %3i \n", A,B,C); p6(C,B,A); printf ("%i %3i %3i \n", A,B,C);	
g A=1; B=3; C=5; p6(B,C,A); printf ("%i %3i %3i \n", A, B,C); p6(A,B,C); printf ("%i %3i %3i \n", A, B,);	