

1. Determine the outputs of the following code.

a) `int i; for(i=4;i>-2;i-=2) printf("%d ",i);`

4 2 0

b) `long a=37; printf("%d ",((a>>2)+1)|1);`

11

c) `double x=1.12;
while(x<4.5)
{ printf("-%1.0f",x); x*=2; }`

-1-2-4

d) `int i=0,k=2;
for(;i<6;++i)
do{
 printf("%d%d",k,i); i++;k++;
} while(k<5);`

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e) `int i=37,k=0x1A;
if(i&k) printf("%d",i&k);
else printf("%d",i|k);`

63

f) `int i=37,k=4;
printf("%d",i/k+i%k);`

10

2. Some code is removed in the following code. Complete the lines in order to generate the outputs given.

a) `int i;`

`for(i=11;i>0;i-=2)`

`printf("%d ",i);`

output: 11 9 7 5 3 1

b) `int a=32,b=2,c=3;`

`switch(b+c*2){`

`case 2: printf("%d",a);``case 4: printf("%d",b);break;``case 8: printf("%d",c);``default: printf("%d",b);``}`

output: 32

c) `int a=1,b=2,c=3,k;`

`do{``if(a+b==c)`

`printf("23");`

`if(k=c*a-b-1)``printf("235");``else``printf("%d4",b+c);``} while(b<0);`

output: 2354

d) `int i=0;`

`while(1){``print("%d ",i+2);`

`if(i>=6) break;`

`i++;``}`

output: 2 3 4 5 6 7 8