

What would be the output of the following program?

```
main( )
{
    int i = 4 ;
    switch ( i )
    {
        default :
            printf ( "\nA mouse is an elephant built by the Japanese" ) ;
        case 1 :
            printf ( "\nBreeding rabbits is a hare raising experience" ) ;
            break ;
        case 2 :
            printf ( "\nFriction is a drag" ) ;
            break ;
        case 3 :
            printf ( "\nIf practice makes perfect, then nobody's perfect" ) ;
    }
}
```

```
main( )  
{  
    int i = 1 ;  
    for ( ;; )  
    {  
        printf ( "%d", i++ ) ;  
        if ( i > 10 )  
            break ;  
    }  
}
```

- A. The condition in the *for* loop is a must.
- B. The two semicolons should be dropped.
- C. The *for* loop should be replaced by a *while* loop
- D. No error.

```
main( )  
{  
    int i = 1 ;  
    while ( )  
    {  
        printf ( "%d", i++ );  
        if ( i > 10 )  
            break ;  
    }  
}
```

- A. The condition in the *while* loop is a must.
- B. There should be at least a semicolon in the *while*().
- C. The *while* loop should be replaced by a *for* loop.
- D. No error.

```
main( )  
{  
    int i = 1 ;  
    switch ( i )  
    {  
        case 1 :  
            printf ( "\nRadioactive cats have 18 half-lives." ) ;  
            break ;  
        case 1 * 2 + 4 :  
            printf ( "\nBottle for rent - inquire within." ) ;  
            break ;  
    }  
}
```

```
main( )
```

```
{
```

```
    int a = 10 ;
```

```
    switch ( a ).
```

```
    {
```

```
    }
```

```
    printf ( "Programmers never die. They just get lost in the processing" ) ;
```

```
}
```

```
main( )  
{  
    int i = 1 ;  
    switch ( i )  
    {  
        printf ( "Hello" ) ; /* common for both cases */  
        case 1 :  
            printf ( "\nIndividualists unite!" ) ;  
            break ;  
        case 2 :  
            printf ( "\nMoney is the root of all wealth." ) ;  
            break ;  
    }  
}
```


-∞

0

+∞

number line

Int Type

unsigned

byte

256

char

byte

byte

65535

short, int

byte

byte

byte

byte

4+billion

Long

signed

-32768

byte

byte

32767

short, int

-2+billion

byte

byte

byte

byte

2+billion

Long

Float Type

-10^{38}

byte

byte

byte

byte

10^{38}

float

-10^{307}

byte

byte

byte

byte

byte

byte

byte

byte

10^{307}

double

```
void main()
```

```
{
```

```
    int a=32767;
```

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

```
    a++;
```

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

```
    a++;
```

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

```
    a++;
```

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

```
}
```



```
void main()
{
    unsigned int i=10;
    while(i-->=0)
        printf("%u ",i);
}
```

```
void main()
{
    int a=1;
    switch(a)
    {
        int k=1;
        case 1: printf("%d",k);
                break;
        default: printf("%d",k);
                break;
    }
}
```

if "condition"

printf("Hello");

else

printf("World");

```
void main()
{
    int i,j;
    scanf("%d%d",&i,&j);
    i+=2;
    j-=2;
    if( (i=5) && ( j=-3))
        printf("yes");
    else
        printf("no");
}
```

```
void main()
```

```
{
```

```
    for(;;)
```

```
        printf("Hello");
```

```
}
```

```
void main()
{
    while()
        printf("Hello");
}
```



```
void main()
{
    int a=10,b,c;
    if( a && scanf("%d%d",&b,&c))
        printf("Hello");
    else
        printf("Hi");
}
```

```
void main()
```

```
{
```

```
    int x,y=2,z,a;
```

```
    if(x=y%2) z=2;
```

```
    a=2;
```

```
    printf("%d %d ",z,x);
```

```
}
```

```
#include<stdio.h>
void main()
{
    float a=0.9;
    switch(a)
    {
        case 1.2:    printf("Hello");
        case 0.7:    printf("Hi");
    }
}
```

```
void main()
{
    for(;;1;)
        printf("Hello ");
}
```

```
void main()
```

```
{
```

```
    int i=2,j=3,k;
```

```
    k=i+++j;
```

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

```
}
```

```
#include<stdio.h>
```

```
void main()
```

```
{
```

```
    int i=-1,k=3;
```

```
    k=(i++ && i++) ? ++i :i++;
```

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

```
}
```



```
#include<stdio.h>
```

```
void main()
```

```
{
```

```
    int i=1,j=2;
```

```
    switch(i)
```

```
    {
```

```
        case 1: printf("Hello");  
                break;
```

```
        case j: printf("Hi");  
                break;
```

```
    }
```

```
}
```

```
#include<stdio.h>
void main()
{
    float f = 1.1;
    double d = 1.1;
    if(f==d)
printf("Hello");
    else
        printf("Hi");
}
```

```
#include<stdio.h>
```

```
void main()
```

```
{
```

```
    float a=0.9;
```

```
    if(a==0.9)
```

```
        printf("Hello");
```

```
    else
```

```
        printf("Hi");
```

```
}
```

```
#include<stdio.h>
void main()
{
printf("%d %d %d",sizeof(0.9f),
sizeof(0.9),sizeof(0.9l));
}
```



```
#include<stdio.h>
void main()
{
    int a=7;
    switch(a)
    {
        default:printf("All");
        case 7: printf("Hello");
        case 10:printf("Hi");
    }
}
```

What would be the output of the following

```
main( )
```

```
{
```

```
    int i = 3 ;
```

```
    i = i++ ;
```

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

```
}
```