

1). What will be output of following c code?

```
#include<stdio.h>
int main(){
int i=1;
for(i=0;i=-1;i=1) {
printf("%d ",i);
if(i!=1) break;
}
return 0;
}
```

2) How many times "my name is" will be printed.

```
#include<stdio.h>
int main()
{
    int x;
    for(x=-1; x<=10; x++)
    {
        if(x < 5)
            continue;
        else
            break;
        printf("my name is ");
    }
    return 0;
}
```

- A. Infinite times
- B. 11 times
- C. 0 times
- D. 10 times

3) How many times the **while** loop will get executed if a **short int** is 2 byte wide?

```
#include<stdio.h>
int main()
{
    int j=1;
    while(j <= 255)
    {
        printf("%c %d\n", j, j);
        j++;
    }
    return 0;
}
```

- A. Infinite times

Question Number	Answer
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	

B. 255 times

C. 256 times

D. 254 time

4) Which of the following cannot be checked in a `switch-case` statement?

A. Character

B. Integer

C. Float

D. enum

5. What will be the output of the program?

```
#include<stdio.h>
int main()
{
    int i=0;
    for(; i<=5; i++);
    printf("%d", i);
    return 0;
}
```

A. 0, 1, 2, 3, 4, 5

B. 5

C. 1, 2, 3, 4

D. 6

6. What will be the output of the program?

```
#include<stdio.h>
int main()
{
    int a = 500, b = 100, c;
    if(!a >= 400)
        b = 300;
    c = 200;
    printf("b = %d c = %d\n", b, c);
    return 0;
}
```

A. b = 300 c = 200

B. b = 100 c = garbage

C. b = 300 c = garbage

D. b = 100 c = 200

7. What will be the output of the program?

```
#include<stdio.h>
int main()
{
    unsigned int i = 65535; /* Assume 2 byte integer*/
    while(i++ != 0)
        printf("%d", ++i);
    printf("\n");
    return 0;
}
```

- A. Infinite loop
- B. 0 1 2 ... 65535
- C. 0 1 2 ... 32767 - 32766 -32765 -1 0
- D. No output

8. What will be the output of the program?

```
#include<stdio.h>
int main()
{
    int x = 3;
    float y = 3.0;
    if(x == y)
        printf("x and y are equal");
    else
        printf("x and y are not equal");
    return 0;
}
```

- A. x and y are equal
- B. x and y are not equal
- C. Unpredictable
- D. No output

9. what will be the output

```
#include <stdio.h>
int main()
{
    float x = 1.1;
    switch (x)
    {
        case 1.1: printf("Choice is 1");
                  break;
        default: printf("Choice other than 1, 2 and 3");
                  break;
    }
    return 0;
}
```

- A. Choice is 1

B. Choice other than 1, 2 and 3

c. Compiler Error

d. No of the above

10.

Which of the following is not logical operator?

A. &

B. &&

C. ||

D. !

11.

What will be output when you will execute following c code?

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

```
void main(){
```

```
    int check=2;
```

```
    switch(check){
```

```
        case 1: printf("D.W.Steyn");
```

```
        case 2: printf(" M.G.Johnson");
```

```
        case 3: printf(" Mohammad Asif");
```

```
        default: printf(" M.Muralidaran");
```

```
    }
```

```
}
```

Choose all that apply:

(A) M.G.Johnson

(B) M.Muralidaran

(C) M.G.Johnson Mohammad Asif M.Muralidaran

(D) Compilation error

(E) None of the above

12.

What will be output when you will execute following c code?

```

#include<stdio.h>
void main(){
    int movie=1;
    switch(movie<<2+movie){
        default:printf("3 Idiots");
        case 4: printf(" Ghajini");
        case 5: printf(" Krrish");
        case 8: printf(" Race");
    }
}

```

Choose all that apply:

- (A) 3 Idiots Ghajini Krrish Race ☐
- (B) Race ☐
- (C) Krrish ☐
- (D) Ghajini Krrish Race ☐
- (E) Compilation error ☐

13.What will be output when you will execute following c code?

```

#include<stdio.h>
void main(){
    int money=10 , L=10;
    switch(money,money*2){
        case L: printf("Willian");
                break;
        case L*2:printf("Warren");
                break;
        case L*3:printf("Carlos");
                break;
        default: printf("Lawrence");
        case L*4:printf("Inqvar");
                break;
    }
}

```

Choose all that apply:

- (A) Willian ☐
 - (B) Warren ☐
 - (C) Lawrence Ingvar ☐
 - (D) Compilation error: Misplaced default ☐
 - (E) None of the above ☐
-

14. What will be the output of the C program?

```
#include<stdio.h>
int main()
{
    int i = 5, j = 6, k = 7;
    if(i > j == k)
        printf("%d %d %d", i++, ++j, --k);
    else
        printf("%d %d %d", i, j, k);
    return 0;
}
```

- A. 5 7 6
 - B. 5 6 7
 - C. 6 6 6
 - D. 5 7 7
-

15.

What will be the output of the C program?

```
#include<stdio.h>
int main()
{
    for(5;2;2)
        printf("Hello");
    return 0;
}
```

- A. Compilation error
 - B. Program never ends
 - C. Hello
 - D. None of the above
-

16. How will you print "Hello World" without semicolon?

Question Number	Solution	Comment
1	-1	
2	C	
3	B	<p>Answer: Option B</p> <p>Explanation: The <code>while(j <= 255)</code> loop will get executed 255 times. The size short int(2 byte wide) does not affect the <code>while()</code> loop.</p>
4	C	<p>Answer: Option C</p> <p>Explanation: The <code>switch/case</code> statement in the c language is defined by the language specification to use an <code>int</code> value, so you can not use a <code>float</code> value.</p>
5	D	Answer: Option D
6	D	Answer: Option D
7	A	<p>Answer: Option A</p> <p>Explanation: The while loop will never stops executing, because variable <code>i</code> will never become '0'(zero). Hence it is an 'Infinite loop'.</p>
8	A	<p>Answer: Option A</p> <p>Explanation: Step 1: <code>int x = 3;</code> here variable <code>x</code> is an integer type and initialized to '3'. Step 2: <code>float y = 3.0;</code> here variable <code>y</code> is an float type and initialized to '3.0' Step 3: <code>if(x == y)</code> here we are comparing <code>if(3 == 3.0)</code> hence this condition is satisfied. Hence it prints "x and y are equal".</p>
9	C	<p>C. Compiler Error: switch quantity not an integer The expression used in switch must be integral type (int, char and enum). Any other type of expression is not allowed.</p>
10	A	
11	C	
12	B	
13	B	<p>Answ B</p> <p>In c comma is also operator which enjoy least precedence. So if</p> <p><code>x = (a , b);</code></p> <p>Then <code>x = b</code></p>
14	B	
15	B	
16		<pre>int main(void) { if (printf("Hello World")) ; }</pre>