

1. The output of the code below is

```
int x = 5;
if (x < 1)
    printf("hello");
if (x == 5)
    printf("hi")
;else
    printf("no");
```

- a) hi
- b) hello
- c) no
- d) None of the mentioned

2. The output of the code below isint

```
x;
void main()
{
    if (x)
        printf("hi")
    ;else
        printf("how are u");
}
```

- a) hi
- b) how are you
- c) Compile time error
- d) None of the mentioned

3. Comment on the following code belowint

```
x = 5;
if (true);
    printf("hello");
```

- a) It will display hello
- b) It will throw an error
- c) Nothing will be displayed
- d) Compiler dependent

4. The output of the code below isint

```
x = 0;
if (x == 0)
    printf("hi")
;
```

```
else
    printf("how are u");
    printf("hello");
```

a) hi

b) how are you

c) hello

d) hihello

5. The output of the code below is int

```
x = 5;
if (x < 1);
    printf("Hello");
```

a) Nothing

b) Run time error

c) Hello

d) Varies

6. The output of the code below is (when 1 is entered) float

```
ch;
printf("enter a value btw 1 to 2:");
scanf("%f", &ch);
switch (ch)
{
    case 1:
        printf("1");
        break;
    case 2:
        printf("2");
        break;
}
```

a) Compile time error

b) 1

c) 2

d) Varies

7. When 1 is entered, The output of the code below is? int

```
ch;
printf("enter a value btw 1 to 2:");
scanf("%d", &ch);
switch (ch)
{
    case 1:
        printf("1 ");
    default:
        printf("2 ");
}
```

a) 1

- b) 2
- c) 1 2**
- d) Run time error

8. When 2 is entered, The output of the code below is?

```
int
ch;
printf("enter a value btw 1 to 2:");
scanf("%d", &ch);
switch (ch)
{
case 1:
    printf("1");
    break;
    printf("Hi")
    ;
default:
    printf("2");
}
```

- a) 1
- b) Hi 2
- c) Run time error
- d) 2**

9. What is the output of this C code?

```
int
x = 1;
if (x > 0)
    printf("inside if\n");
else if (x > 0)
    printf("inside elseif\n");
```

- a) inside if**
- b) inside elseif
- c) inside if  
inside elseif
- d) Compile time error

10. What is the output of this C code?

```
int
x = 0;
if (x == 1)
    if (x == 0)
        printf("inside if\n");
    else
        printf("inside else if\n");
else
    printf("inside else\n");
```

- a) inside if
- b) inside else if
- c) inside else**
- d) Compile time error

11. What is the output of this C code?

```
int
x = 0;
if (x == 0)
    printf("true, ");
else if (x = 10)
    printf("false, ");
printf("%d\n", x);
```

- a) false, 0
- b) true, 0**
- c) true, 10
- d) Compile time error

12. What is the output of this C code?

```
int
x = 0;
if (x == 1)
    if (x >= 0)
        printf("true\n");
    else
        printf("false\n");
```

- a) true
- b) false
- c) Depends on the compiler
- d) No print statement**

13. Comment on the output of this C code?

```
int
a = 1;
if (a)
    printf("All is Well ");
    printf("I am Well\n");
else
    printf("I am not a River\n");
```

- a) Output will be All is Well I am Well**
- b) Output will be I am Well I am not a River
- c) Output will be I am Well
- d) Compile time errors during compilation

14. What is the output of this C code(When 1 is entered)?

```
char
*ch;
printf("enter a value btw 1 to 3:");
scanf("%s", ch);
switch (ch)
{
    case "1":
        printf("1");
        break;
    case "2":
```

```
        printf("2");  
        break;  
    }
```

a) 1

b) Compile time error

c) 2

d) Run time error

15. What is the output of this C code?

```
int  
a = 1, b = 1;  
switch (a)  
{  
    case a*b:  
        printf("yes ");  
    case a-b:  
        printf("no\n");  
        break;  
}
```

a) yes

b) no

c) Compile time error

d) yes no

16. What is the output of this C code?

```
int  
x = 97;  
switch (x)  
{  
    case 'a':  
        printf("yes ");  
        break;  
    case 97:  
        printf("no\n");  
        break;  
}
```

a) yes

b) yes no

c) Duplicate case value error

d) Character case value error

17. What is the output of this C code?

```
float f = 1;  
switch (f)  
{  
    case 1.0:  
        printf("yes\n");  
        break;  
    default:
```

```
        printf("default\n");
    }
```

- a) yes
- b) yes default
- c) Undefined behaviour
- d) Compile time error

18. What is the output of this C code?

```
const int a = 1, b = 2;
int main()
{
    int x = 1;
    switch (x)
    {
        case a:
            printf("yes ");
        case b:
            printf("no\n");
            break;
    }
}
```

- a) yes no
- b) yes
- c) no
- d) Compile time error

19. What is the output of this C code?

```
switch (printf("Do"))
{
    case 1:
        printf("First\n");
        break;
    case 2:
        printf("Second\n");
        break;
    default:
        printf("Default\n");
        break;
}
```

- a) Do
- b) DoFirst
- c) DoSecond
- d) DoDefault

20. Comment on the output of this C code?

```
int
a = 1;
switch (a)
```

```
case 1:
    printf("%d", a);
case 2:
    printf("%d", a);
case 3:
    printf("%d", a);
default:
    printf("%d", a);
```

- a) No error, output is 1111
- b) No error, output is 1
- c) Compile time error, no break statements
- d) Compile time error, case label outside switch statement

21. Switch statement accepts.

- a) int
- b) char
- c) long
- d) All of the mentioned

22. Comment on the output of this C code?

```
int
a = 1;
switch (a)
{
case a:
    printf("Case A ");
default:
    printf("Default");
}
```

- a) Output: Case A
- b) Output: Default
- c) Output: Case A Default
- d) Compile time error

23. Comment on the output of this C code?

```
switch (ch)
{
case 'a':
case 'A':
    printf("true");
}
```

- a) if (ch == 'a' && ch == 'A') printf("true");
- b) if (ch == 'a')  
if (ch == 'a') printf("true");
- c) if (ch == 'a' || ch == 'A') printf("true");
- d) Both a and b

24. int i = 4;

```
switch(i)
{
    default:
        printf("Matrix")
    ;case 1:
        printf("Computer");
        break;
    case 2:
        printf("Education");
        break;
    case 3:
        printf("Hello");
}
```

- a. Compile Time Error
- b. Matrix
- c. MatrixComputer
- d. Hello

25. int i =4;  
switch (i)  
{  
}  
printf("Hello World");

- a. Compile Time Error
- b. No Output
- c. Hello World
- d. None of these

26. int i =1;  
switch (i)  
{  
 printf("Matrix");/\*common for both  
 cases\*/  
 case 1:  
 printf("Hello");  
 break;  
 case 2:  
 printf("Bye")  
 ;break;  
}  
a. Matrix Hello  
b. Matrix Bye  
c. Hello Bye  
d. Hello

27. char card = 3;  
switch(card)



```
{
    case 1:
        printf("King")
    ;case 2:
        printf("Queen");
    default:
        printf("Jokar");
}
printf(" You have losing the game:");
```

- a. King
- b. Jokar You have losing the game:
- c. No Output
- d. Jokar

```
28. int k;
float j = 2.0;
switch(k = j+1)
{
    case 3:
        printf("you have passed:");
        break;
    default:
        printf("Leave It");
}
```

- a. Error because j is float.
- b. You have passed:
- c. Leave it
- d. No output

```
29. 29.
int a=500,b,c;
if(a>=400)
    b=300;
c=200;
printf("%d %d",b,c);
```

- a. 300 200
- b. garbage 200
- c. garbage garbage
- d. error else is missing

```
30. int x =10,y =20;
if(x == y);
    printf("%d %d",x,y);
```

- a. no output
- b. compilation error
- c. 10 20
- d. garbage

```
31. int ch = 'a' + 'b' ;  
switch(ch)  
{  
    case 'a':  
    case 'b':  
        printf("you have secured a");  
    case 'A':  
        printf("you are confused:");  
    case 'b' + 'a':  
        printf("you have secured both a and b.");  
}
```

a. you have secured both a and b:

b. you have secured a

c. error

d. no output