

1) What will be the output of the following C code?

```
1. #include <stdio.h>
2. int main()
3. {
4.     int i = 0;
5.     int x = i++, y = ++i;
6.     printf("%d %d\n", x, y);
7.     return 0;
8. }
```

a) 0, 2

b) 0, 1

c) 1, 2

d) undefined

2) What will be the output of the following C code?

```
1. #include <stdio.h>
2. int main()
3. {
4.     int i = 10;
5.     int *p = &i;
6.     printf("%d\n", *p++);
7. }
```

a) 10

b) 11

c) Garbage Value

d) Address of i

3) What will be the output of the following C code?

```
1. #include <stdio.h>
2. void main()
3. {
4.     int x = 97;
5.     int y = size of (x++);
6.     printf("x is %d", x);
7. }
```

a) x is 97

b) x is 98

c) x is 99

d) Run time error

4) What will be the output of the following C code?

```
1. #include <stdio.h>
2. void main()
3. {
4.     int x=4, y, z;
5.     y = --x;
6.     z = x--;
7.     printf("%d %d %d", x, y, z);
8. }
```

a) 3 2 3

b) 2 3 3

c) 3 2 2

d) 2 3 2

5) What will be the output of the following C code?

```
1. #include <stdio.h>
2. void main()
3. {
4.     int x=4;
5.     int *p=&x;
6.     int *k=p++;
7.     int r=p-k;
8.     printf("%d", r);
9. }
```

- a) 4
- b) 8
- c) 1
- d) Run time error

6) What will be the output of the following C code?

```
1. #include <stdio.h>
2. void main()
3. {
4.     int a=5, b=-7, c=0, d;
5.     d = ++a && ++b || ++c;
6.     printf("n%d %d %d %d", a, b, c, d);
7. }
```

- a) 6 -6 0 0
- b) 6 -5 0 1
- c) -6 -6 0 1
- d) 6 -6 0 1

7) What will be the output of the following code?

```
1. #include <stdio.h>
2. void main()
3. {
4.     int a=-5;
5.     int k=(a++, ++a);
6.     printf("%d", k);
7. }
```

- a) -4
- b) -5
- c) 4
- d) -3

8) What will be the output of the following C code?

```

1. #include <stdio.h>
2. int main()
3. {
4.     int a=1, b=1, c;
5.     c = a++ + b;
6.     printf("%d, %d", a, b);
7. }
```

a) a=1, b=1

b) a=2, b=1

c) a=1, b=2

d) a=2, b=2

9) What will be the output of the following C code?

```

1. #include <stdio.h>
2. int main()
3. {
4.     int a=1, b=1, d=1;
5.     printf("%d, %d, %d", ++a + ++a + ++a, a++ +
6.         ++b, ++d + d++ + a++);
7. }
```

a) 15, 4, 5

b) 9, 6, 9

c) 9, 3, 5

d) undefined

10) What will be the output of the following C code?

```

1. #include <stdio.h>
2. int main()
3. {
4.     int a=10, b=10;
5.     if (a=5)
```


6. b--;
7. printf("%d,%d", a, b--);
8. }

a) a=10, b=9

b) a=10, b=8

c) a=5, b=9

d) a=5, b=8

11) What will be the output of the following C code?

```
1. #include <stdio.h>
2. int main()
3. {
4.     int i=0;
5.     int j = i++ + i;
6.     printf("%d\n", j);
7. }
```

a) 0

b) 1

c) 2

d) Compile time error

12) What will be the output of the following C code?

```
1. #include <stdio.h>
2. int main()
3. {
4.     int i=2;
5.     int j = ++i + i;
6.     printf("%d\n", j);
7. }
```

a) 6

b) 5

c) 4

d) Compile time error

13) What will be the output of the following C code?

```
#include <stdio.h>
int main() {
    int x=5;
    int y = x++ / 2;
    printf("%d", y);
    return 0;
}
```

a) 3

b) compile-time error

c) 2

d) None of these

14) What will be the output of the following C Code?

```
#include <stdio.h>
int main() {
    int a=4, b, c;
    b = --a;
    c = a--;
    printf("%d %d %d", a, b, c);
    return 0;
}
```

a) 3 3 2

b) 2 3 2

c) 3 2 2

d) 2 3 3

15) What will be the output of the following C code?

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

a) 0 2

b) 0 1

c) 1 2

d) undefined behaviour

main.c

 Share

Run

Output

Clear

```
1
2 #include <stdio.h>
3 int main() {
4     int a = 4;
5     int b = 2;
6     int result = 4 == 2;
7     printf("Result of 4 == 2: %d", result);
8     return 0;
9 }
```

Result of `4 == 2`: 0
























```
=== Code Execution Successful ===
```

The screenshot displays an online C++ IDE. On the left, there's a sidebar with icons for file management and language selection (C++, JS, TS). The main editor area shows a file named "main.c" containing the following C++ code:





```
1  
2 #include <stdio.h>  
3 int main() {  
4     int a = 4;  
5     int b = 2;  
6     int result = 4 <= 2;  
7     printf("Result of 4 <= 2: %d", result);  
8     return 0;  
9 }
```

Below the code editor are buttons for "Run", "Share", and "Clear". To the right of the code editor is the "Output" panel, which contains the following text:

```
Result of 4 <= 2: 0  
  
=== Code Execution Successful ===
```

main.c

 Share 

```
1
2 #include <stdio.h>
3 int main() {
4     int a = 4;
5     int b = 2;
6     int result;
7     result = a ^ b;
8     printf("%d ^ %d is %d", a, b, result);
9     return 0;
10 }
```

Output

Clear

4 ^ 2 is 6

=== Code Execution Successful ===

main.c

Share

Run

```
1
2 #include <stdio.h>
3 int main() {
4     int a = 4;
5     int b = 2;
6     if (a < b) {
7         printf("%d < %d is %d is true", a, b);
8     } else {
9         printf("%d < %d is false", a, b);
10    }
11    return 0;
12 }
```

Output

Clear

4 < 2 is false

=== Code Execution Successful ===

The screenshot displays a web-based C programming environment. On the left, a sidebar contains icons for file management and language selection, with 'C' currently selected. The main editor area shows a file named 'main.c' containing the following C code:

```
1  
2 #include <stdio.h>  
3 int main() {  
4     int a = 4;  
5     int b = 2;  
6     int result = 4 > 2;  
7     printf("Result of 4 > 2: %d", result);  
8     return 0;  
9 }
```

Below the code editor, there are controls for running the program: a 'Run' button and a 'Share' link. To the right of the code editor is an 'Output' panel which shows the results of the execution:

```
Result of 4 > 2: 1  
  
=== Code Execution Successful ===
```



main.c



Share

Run

Output

Clear

```
1
2 #include <stdio.h>
3 int main() {
4     int a, b, result;
5     printf("Enter the a value: ");
6     scanf("%d", &a);
7     printf("Enter the b value: ");
8     scanf("%d", &b);
9     result = a & b;
10    printf("%d & %d is %d", a, b, result);
11    return 0;
12 }
```

Enter the a value: 4
Enter the b value: 2
4 & 2 is 0

=== Code Execution Successful ===



main.c

Output



```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3 void main() {
4     int a,b;
5
6     printf("Enter a value:");
7     scanf("%d",&a);
8     printf("Enter b value:");
9     scanf("%d",&b);
10    printf("Addition of %d and %d is %d",a,b
        ,a+b);
```

```
11 }
```

```
12
```

```
13
```

```
14
```

```
15
```

```
16
```

```
17
```

```
18
```

Run



main.c

Output



```
1 // Online C compiler to run C program
   online
2 #include <stdio.h>
3
4 void main(){
5     int a,b;
6     printf("Enter a value:");
7     scanf("%d",&a);
8     printf("Enter b value:");
9     scanf("%d",&b);
10    printf("subtraction of %d and %d is %d"
           ,a,b,a-b);
11 }
12
13
```

Run



main.c

Output



```
1 // Online C compiler to run C program
   online
2 #include <stdio.h>
3
4 void main(){
5     int a,b;
6     printf("Enter a value:");
7     scanf("%d",&a);
8     printf("Enter b value:");
9     scanf("%d",&b);
10    printf("multiplication of %d and %d is
        %d",a,b,a*b);
11 }
12
13
```

Run



main.c

Output



```
1 // Online C compiler to run C program
  online
2 #include <stdio.h>
3
4 void main(){
5     int a,b;
6     printf("Enter a value:");
7     scanf("%d",&a);
8     printf("Enter b value:");
9     scanf("%d",&b);
10    printf("division of %d and %d is %d",a
        ,b,a/b);
11 }
12
13
```

Run