

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 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 = sizeof(x++);
6.     printf("%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("%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",
```

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

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

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

2. ~~int~~ main()

၃၈

```
int a=1, b=1, c;
```

$$C = a++ + b;$$

6. `printf("%d, %`

4. 4

- $$a=1, b=1$$

- $$b). a = 2, b =$$

- $$c) a=1, b=2$$

- $$d) a=2, b=$$

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

1. #include <stdio.h>

2. int main()

3.  
1

Int a=1, b=1,

## 5. , printf()

7

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

- a) 15, 4, 5

- b) 9, 6, 9

- 99,3,5

- d). undefined

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

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

int main()

2

Int  $a=10, b=10;$

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

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 ==

main.c

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 ===

C C++ JS TS

A screenshot of a code editor interface, likely from an online platform like LeetCode or Codecademy. The left sidebar contains icons for Python, C/C++, C, C++, C, C, JS, TS, and a file icon. The main area shows a C file named "main.c". The code is as follows:

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

The "Run" button is highlighted in blue. The output window shows the result of the code execution:

4 ^ 2 is 6  
==== Code Execution Successful ===

The screenshot shows a code editor interface with a sidebar on the left containing icons for various file types: Python, C/C++, C, C#, JavaScript, TypeScript, and HTML/CSS. The main area displays a C program named 'main.c'.

```
main.c
```

Code:

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

Run button

Output

Clear

Output:

```
4 < 2 is false
==== Code Execution Successful ===
```

main.c

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: 1  
==== Code Execution Successful ===

The screenshot shows a code editor interface with the following details:

- File:** main.c
- Toolbar:** Includes icons for file operations (New, Open, Save, Print, Share), a Run button, and a Clear button.
- Code Area:** Contains the following C code:

```
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
12 }
```
- Output Area:** Displays the execution results:

```
Enter the a value: 4
Enter the b value: 2
4 & 2 is 0
== Code Execution Successful ==
```

The screenshot shows a code editor interface with the following components:

- Left Sidebar:** A vertical sidebar on the left containing icons for different file types: Python (green), C/C++ (blue), C# (orange), Java (yellow), JavaScript (green), and TypeScript (purple).
- File Tab:** The file tab displays "main.c".
- Toolbar:** A horizontal toolbar with icons for Save, Run, Share, and Run.
- Code Editor:** The code editor contains the following C code:

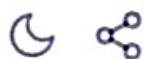
```
1
2 #include <stdio.h>
3 int main() {
4     int a = 4;
5     int b = 2;
6     int result = 4 >= 2;
7     printf("Result of 4 >= 2: %d", result);
8     return 0;
9 }
```
- Output Window:** The output window shows the execution results:

```
Result of 4 >= 2: 1
== Code Execution Successful ==
```
- Clear Button:** A "Clear" button is located in the top right corner of the output window.



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
11        ,a+b);
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"
11        ,a,b,a-b);|
12
13
```

Run



main.c

Output



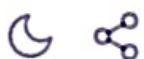
```
1 // Online C compiler to run C program
  online
2 #include <stdio.h>
3
4 void main(){
5     int a,b;
6     printf("Enter a value:");
7     scanf("%d",&a);
8     printf("Enter b value:");
9     scanf("%d",&b);
10    printf("multiplication of %d and %d is
11        %d",a,b,a*b);|
12
13
```

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
11        ,b,a/b);|
12
13
```

Run