

1. What will be the output of the following C program?

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

```
int main() {
    int a = 5;
    printf("%d", a++ + ++a);
    return 0;
}
```

- A. 10
- B. **11**
- C. 12
- D. Undefined behavior

2. What will be the output of the following C program?

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

```
int main() {
    int a = 10;
    printf("%d %d", a++, ++a);
    return 0;
}
```

- A. 10 11
- B. **10 12**
- C. 11 12
- D. Undefined behavior

3. What will be the output of the following C program?

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

```
int main() {
    int a = 3, b = 4;
```

```
    printf("%d", a & b);  
  
    return 0;  
  
}
```

- A. 7
- B. 1
- C. **0**
- D. 12

4. What will be the output of the following C program?

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

```
int main() {  
  
    int x = 5;  
  
    printf("%d", x << 1);  
  
    return 0;  
}
```

- A. 5
- B. **10**
- C. 8
- D. 12

5. What will be the output of the following C program?

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

```
int main() {  
  
    int x = 10;
```

```
    printf("%d", x >> 2);  
  
    return 0;  
  
}
```

- A. 1
- B. **2**
- C. 4
- D. 5

6. What will be the output of the following C program?

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

```
int main() {  
  
    int a = 0;  
  
    printf("%d", a && ++a);  
  
    return 0;  
}
```

- A. 1
- B. Undefined behavior
- C. **0**
- D. Compilation error

7. What will be the output of the following C program?

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

```
int main() {  
  
    int a = 5;
```

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

    return 0;

}
```

- A. 6
- B. 1
- C. 5
- D. Undefined behavior

8. What will be the output of the following C program?

```
#include <stdio.h>

int main() {
    int a = 5, b = 10;
    printf("%d", a > b ? a : b);
    return 0;
}
```

- A. 5
- B. 10
- C. 0
- D. 1

9. What will be the output of the following C program?

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

```
int main() {
    int a = 4;
```

```
    printf("%d", sizeof(a++));  
  
    return 0;  
  
}
```

- A. 2
- B. 4
- C. 5
- D. Undefined behavior

10. What will be the output of the following C program?

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

```
int main() {  
  
    int a = 5;  
  
    int b = a += 3;  
  
    printf("%d %d", a, b);  
  
    return 0;  
  
}
```

- A. 5 8
- B. **8 8**
- C. 8 5
- D. 5 5

11. What will be the output of the following C program?

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

```
int main() {
```

```
int a = 10;  
  
printf("%d", ~a);  
  
return 0;  
}
```

- A. 10
- B. -10
- C. -11
- D. 11

12. What will be the output of the following C program?

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

```
int main() {  
  
    int a = 3;  
  
    printf("%d", a * 2 + 1 << 1);  
  
    return 0;  
}
```

- A. 7
- B. 8
- C. 14
- D. 12

13. What will be the output of the following C program?

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

```
int main() {
```

```
int i = 1;  
  
printf("%d", i++ + i++ + i++);  
  
return 0;  
}
```

- A. 6
- B. 7
- C. 9
- D. **Undefined behavior**

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

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

```
int main() {  
  
    int x = 5;  
  
    int y = ++x * 2;  
  
    printf("%d %d", x, y);  
  
    return 0;  
}
```

- A. 5 10
- B. **6 12**
- C. 6 10
- D. 7 14

15. What will be the output of the following C program?

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

```
int main() {  
    int a = 5, b = 10;  
  
    printf("%d", a ^ b);  
  
    return 0;  
}
```

- A. 15
- B. **15**
- C. 0
- D. 5

16. What will be the output of the following C program?

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

- A. 1
- B. 5
- C. **0**
- D. Undefined behavior

17. What will be the output of the following C program?

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

```
int main() {  
    int a = 2;  
    printf("%d", a++ + a);  
    return 0;  
}
```

- A. 4
- B. 5
- C. Undefined behavior
- D. Compilation error

18. What will be the output of the following C program?

```
#include <stdio.h>  
  
int main() {  
    int a = 10, b = 20;  
    printf("%d", a < b && b < 30);  
    return 0;  
}
```

- A. 0
- B. 1
- C. 10
- D. 20

19. What will be the output of the following C program?

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

```
int main() {  
    int a = 1;  
    printf("%d", a = a + 1 == 3);  
    return 0;  
}
```

- A. 2
- B. **0**
- C. 1
- D. 3

20. What will be the output of the following C program?

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

```
int main() {  
    int a = 5;  
    printf("%d", ++a * a++);  
    return 0;  
}
```

- A. 30
- B. **Undefined behavior**
- C. 36
- D. 25