

C MCQs - 4

Topics : [C](#)

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31. What does the `fprintf()` function do in C?

- a) Reads formatted data from a file
- b) Writes formatted data to a file
- c) Reads formatted data from the console
- d) Writes formatted data to the console

Answer: b) Writes formatted data to a file

32. In C, what does the `extern` keyword signify when used with a variable declaration?

- a) The variable is initialized with an external value
- b) The variable is declared without any storage allocation
- c) The variable is declared in another file and is available for use in the current file
- d) The variable is of external linkage

Answer: c) The variable is declared in another file and is available for use in the current file

33. What will be the output of the following code snippet?

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

- a) 5, 5
- b) 5, 6
- c) 6, 6
- d) Compiler error

Answer: b) 5, 6

34. Which function is used to copy a block of memory in C?

- a) memcpy()
- b) memmove()
- c) strcpy()
- d) strcat()

Answer: a) memcpy()

35. What is the output of the following code?

```
#include <stdio.h>
int main() {
    int arr[] = {1, 2, 3, 4, 5};
    int *ptr = arr;
    printf("%d\n", *ptr++);
    printf("%d\n", *ptr);
    return 0;
}
```

- a) 1, 2
- b) 1, 1
- c) 2, 2
- d) 2, 1

Answer: a) 1, 2

36. Which of the following is NOT a valid format specifier for printing a double in C?

- a) %f
- b) %lf
- c) %d
- d) %e

Answer: c) %d

37. What will be the output of the following code?

```
#include <stdio.h>
int main() {
    char str[6] = "Hello";
    printf("%s\n", str);
    return 0;
}
```

- a) Hello
- b) Hello!
- c) Compiler error

d) Undefined behavior

Answer: a) Hello

38. Which of the following statements is true about the do-while loop in C?

- a) The loop condition is checked before executing the loop body
- b) The loop condition is checked after executing the loop body
- c) The loop executes only if the condition is true
- d) The loop always executes at least once

Answer: d) The loop always executes at least once

39. What does the `putc()` function do in C?

- a) Reads a character from a file
- b) Writes a character to a file
- c) Reads a character from the console
- d) Writes a character to the console

Answer: b) Writes a character to a file

40. What will be the output of the following code?

```
#include <stdio.h>
int main() {
    int x = 10;
    int *ptr = &x;
    printf("%p\n", ptr);
    return 0;
}
```

- a) Address of x
- b) Value of x
- c) Address of ptr
- d) Compiler error

Answer: a) Address of x