

C MCQs - 8

Topics : [C](#)

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

```
#include <stdio.h>
int main() {
    int i = 0;
    for (; i < 5; ++i) {
        if (i == 2)
            break;
        printf("%d ", i);
    }
    printf("%d\n", i);
    return 0;
}
```

- a) 0 1 2
- b) 0 1 3
- c) 0 1 4
- d) 0 2

Answer: a) 0 1 2

72. In C, which escape sequence is used to represent a backslash character?

- a) \b
- b) \t
- c) \n
- d) \

**Answer: d) **

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

```
#include <stdio.h>
int main() {
    int x = 10;
```

```
    printf("%d\n", x++);
    printf("%d\n", x);
    return 0;
}
```

- a) 10, 11
- b) 10, 10
- c) 11, 11
- d) 11, 10

Answer: a) 10, 11

74. Which function is used to find the smallest integer not less than x in C?

- a) ceil()
- b) floor()
- c) round()
- d) trunc()

Answer: a) ceil()

75. What does the isalpha() function in C do?

- a) Checks if a character is alphabetic
- b) Checks if a character is a digit
- c) Checks if a character is a whitespace character
- d) Checks if a character is a punctuation character

Answer: a) Checks if a character is alphabetic

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

```
#include <stdio.h>
int main() {
    int x = 10;
    printf("%d\n", x / 3);
    return 0;
}
```

- a) 3
- b) 3.3333
- c) 3.0
- d) Compiler error

Answer: a) 3

77. Which of the following is NOT a valid way to declare and initialize a string in C?

- a) char str[] = "Hello";

- b) char str[6] = "Hello";
- c) char str[] = {'H', 'e', 'l', 'l', 'o', '\0'};
- d) char str[5] = "Hello";

Answer: d) char str[5] = "Hello";

78. What is the output of the following code?

```
#include <stdio.h>
int main() {
    int x = 5, y = 10;
    printf("%d\n", (x > y) ? x : y);
    return 0;
}
```

- a) 5
- b) 10
- c) 15
- d) Compiler error

Answer: b) 10

79. What does the strncpy() function in C do?

- a) Copies one string to another
- b) Compares two strings
- c) Concatenates two strings
- d) Copies a specified number of characters from one string to another

Answer: d) Copies a specified number of characters from one string to another

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

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

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

Answer: a) Address of x

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