C MCQs - 7

Topics : C
Written on March 20, 2024

61. What is the output of the following code?

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

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

Answer: c) 3

62. Which function is used to find the largest integer not greater than x in C?

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

Answer: b) floor()

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

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

```
}
```

a) 5, 6, 10
b) 5, 6, 11
c) 5, 5, 10
d) 5, 5, 11

Answer: a) 5, 6, 10

64. Which of the following is used to access the last element of an array in C?

a) arr[length - 1]
b) arr[length]
c) arr[length + 1]
d) arr[-1]

Answer: a) arr[length - 1]

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

```
#include <stdio.h>
int main() {
    char str[] = "Hello";
    printf("%c\n", str[5]);
    return 0;
}
```

a) H
b) e
c) l
d) \0

Answer: d) \0

66. Which of the following is the correct syntax for declaring a structure in C?

a) struct { int x; };
b) structure { int x; };
c) struct x { int x; };
d) struct { int x; } x;

Answer: c) struct x { int x; };

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

```
#include <stdio.h>
int main() {
    int x = 5, y = 10;
```

```c
    if (x > y)
        printf("x is greater than y\n");
    else if (x < y)
        printf("x is less than y\n");
    else
        printf("x is equal to y\n");
    return 0;
}
```

a) x is greater than y
b) x is less than y
c) x is equal to y
d) No output

Answer: b) x is less than y

68. Which function is used to convert a string to an integer in C?

a) atoi()
b) itoa()
c) atoi()
d) strtoi()

Answer: a) atoi()

69. What does the `strchr()` function in C do?

a) Finds the first occurrence of a character in a string
b) Compares two strings
c) Copies one string to another
d) Concatenates two strings

Answer: a) Finds the first occurrence of a character in a string

70. What is the output of the following code?

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

a) 5
b) 10
c) 20
d) 40

Answer: c) 20