

C MCQs - 1

Topics : [C](#)

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1. What does the sizeof operator return in C?

- a) Size of a variable in bytes
- b) Size of a datatype in bytes
- c) Size of a pointer in bytes
- d) Size of the code segment in bytes

Answer: b) Size of a datatype in bytes

2. Which keyword is used to define a constant in C?

- a) const
- b) constant
- c) define
- d) var

Answer: a) const

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

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

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

Answer: a) 15

4. Which one of the following is the correct way to declare a pointer in C?

- a) `int ptr;`
- b) `int *ptr;`
- c) `int ptr;`
- d) `pointer int;`

**Answer: a) `int ptr;`*

5. What is the value of x after the following code is executed?

```
int x = 10;
int *ptr = &x;
*ptr = 20;
```

- a) 10
- b) 20
- c) Undefined
- d) Compiler error

Answer: b) 20

6. What does the `strcmp()` function do in C?

- a) Copies one string to another
- b) Compares two strings
- c) Concatenates two strings
- d) Searches for a substring in a string

Answer: b) Compares two strings

7. What does the `malloc()` function do in C?

- a) Allocates memory on the stack
- b) Allocates memory on the heap
- c) Frees memory
- d) Resizes memory

Answer: b) Allocates memory on the heap

8. Which header file is required for using dynamic memory allocation functions in C?

- a) `<stdio.h>`
- b) `<stdlib.h>`
- c) `<math.h>`
- d) `<ctype.h>`

Answer: b) `<stdlib.h>`

9. What is the purpose of the `break` statement in C?

- a) To exit a loop
- b) To skip the current iteration of a loop
- c) To branch unconditionally
- d) To terminate the program

Answer: a) To exit a loop

10. Which one of the following is a valid way to declare a multi-dimensional array in C?

- a) `int arr[5][];`
- b) `int arr[[]];`
- c) `int arr[][5];`
- d) `int arr[[]];`

Answer: c) `int arr[][5];`

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