

Video No.: 85

Topic Name: C Programming - Rapid Fire Quiz 02

Question 01:

Which of the following statement is true about static functions in C?

- a) Static functions are global
- b) Static functions are restricted to the files where they are declared
- c) There is not concept like static functions in C
- d) None of the above

Question 02:

State True or False. In C it is mandatory to declare a function before use?

- a) TRUE
- b) FALSE

Question 03:

Which keyword is used to come out of loops only for that iteration?

- a) Break
- b) Continue
- c) Return
- d) None of the above

Question 04:

Which of the following ways to write a function prototype is correct?

- | | |
|--------------------------------|--------------------|
| i. int fun(int var1, int var2) | a) only i |
| ii. int fun(int, int) | b) only ii & iii |
| iii. fun(int, int) | c) only i & ii |
| | d) all i, ii & iii |

Question 05:

Is this statement correct?

C supports dynamic scoping.

- a) YES
- b) NO

Question 06:

In C, parameters are always

- a) Passed by Values
- b) Passed by Reference
- c) Both
- d) None of the above

Question 07:

In C, what is the meaning of the following function prototype with empty parameter list?

`void fun()`

- a) Functions can only be called without any parameter.
- b) Function can be called with any number of parameters of any type
- c) Function can be called with any number of integer parameters
- d) Function can be called with one integer parameter

Question 08:

Assuming int size is 4 bytes. What is going to happen when the following program runs?

```
#include<stdio.h>
int main(){
    printf("hi!\n");
    main();
    return 0;
}
```

- a) We can't use main() inside main()
- b) Hi! Would be printed until stack overflow happens
- c) Hi! Would be printed 2147483647 times, $2^{31} - 1$
- d) Hi! Would be printed only once because when main() is used inside main(), it is ignored by compiler at run time.

Question 09:

In the context of “break” and continue statements in C, pick the best statement.

- a) “break” and “continue” can be used in “for”, “while”, “do-while” loop body and “switch” body.
- b) “break” and “continue” can be used in “for”, “while”, “do-while” loop body. But only “break” can be used in “switch” body.
- c) “break” and “continue” can be used in “for”, “while”, “do-while” loop body. Besides “continue” and “break” can be used in “switch” and “if-else” body.
- d) None of the above.

Question 10:

Determine the output of the following program?

```
int main(){
    int i = 9;
    for( ; i ; ){
        printf("hmmm...")
        i--;
    }
}
```

- a) Hmmm... will be printed 9 times
- b) Hmmm... will be printed 10 times
- c) Compiler error
- d) None of the above.