NPTEL ASSIGNMENT -
Problem Solving Through Programming In C

WEEK 2 – MCQ QUIZ

Week 2 : Assignment 2

The due date for submitting this assignment has passed.

Assignment submitted on 2023-08-09, 23:30 IST

1) Which of the following is not a C variable? **1 point**

- ○ a) Count123
- ○ b) Count_123
- ◉ c) Count@123
- ○ d) X_123_Count

Yes, the answer is correct.
Score: 1
Accepted Answers:
c) Count@123

2) A function **1 point**

- ○ a) is a block of statements to perform some specific task
- ○ b) is a fundamental modular unit to perform some task
- ○ c) has a name and can be used multiple times
- ◉ d) All the above options are true

Yes, the answer is correct.
Score: 1
Accepted Answers:
d) All the above options are true

3) The execution of any C program is **1 point**

- ◉ a) Sequential
- ○ b) Parallel
- ○ c) Multi-threading
- ○ d) None of these

Yes, the answer is correct.
Score: 1
Accepted Answers:
a) Sequential

4) Syntax error occurs when **1 point**

- ◉ a) The rules of grammar of the programming language is violated
- ○ b) The statements in the program have no meaning
- ○ c) The program gives wrong or undesired output
- ○ d) Some illegal operation (e.g. divide by zero) is performed

Yes, the answer is correct.
Score: 1
Accepted Answers:
a) The rules of grammar of the programming language is violated

5) If integer needs two bytes of storage, then the minimum value of a signed integer in C would be **1 point**

- ○ a) -65535
- ○ b) 0
- ○ c) -32,767
- ◉ d) -32,768

Yes, the answer is correct.
Score: 1
Accepted Answers:

6) A 2D diagram to represent the steps to be followed to solve a problem is known as **1 point**

- ⦿ a) Flow-chart
- ◯ b) Pseudo-code
- ◯ c) Both (a) and (b)
- ◯ d) None of these

Yes, the answer is correct.
Score: 1
Accepted Answers:
a) Flow-chart

7) Which one of the following statement is the most appropriate? **1 point**

- ◯ a) Pseudo code is basically a diagrammatic representation of the algorithm. Whereas in flowchart normal English language is translated into the programming languages to be worked on.
- ◯ b) Flowchart is diagrammatic representation of the algorithm. Pseudo code is just another name of algorithm.
- ◯ c) Pseudo code is another name of programming. Whereas in flowchart is diagrammatic representation of algorithm.
- ⦿ d) Flowchart is basically a diagrammatic representation of the algorithm. Whereas in pseudo code normal English language is translated into the programming languages to be worked on.
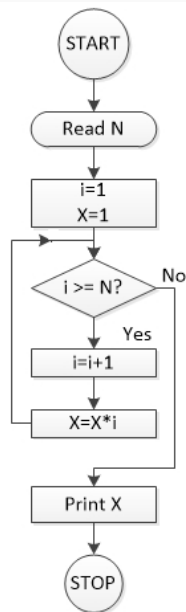
Yes, the answer is correct.
Score: 1
Accepted Answers:
d) Flowchart is basically a diagrammatic representation of the algorithm. Whereas in pseudo code normal English language is translated into the programming languages to be worked on.

8) The input N from the user is 6. The output of the following algorithm is **1 point**

- ◯ a) 21
- ◯ b) 720
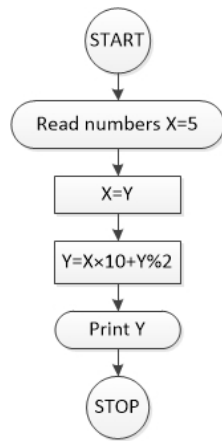- ⦿ c) 1
- ◯ d) 1024

Yes, the answer is correct.
Score: 1
Accepted Answers:
c) 1

9) What will be the output of the algorithm given below? **1 point**

9) What will be the output of the algorithm given below? *1 point*

- a) 51
- b) 52
- c) 50
- ● d) Compilation error

Yes, the answer is correct.
Score: 1
Accepted Answers:
d) Compilation error

10) The section of the CPU that selects, interprets and sees to the execution of program instructions *1 point*

- a) Memory
- b) Register Unit
- ● c) Control Unit
- d) ALU

Yes, the answer is correct.
Score: 1
Accepted Answers:
c) Control Unit