

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.

Due on 2023-08-09, 23:59 IST.

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:

d) -32,768

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.

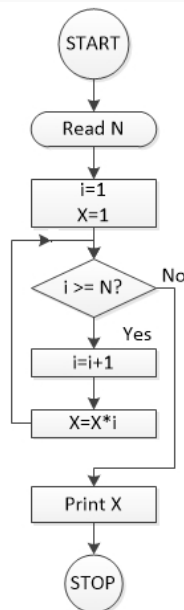
Score: 1

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:

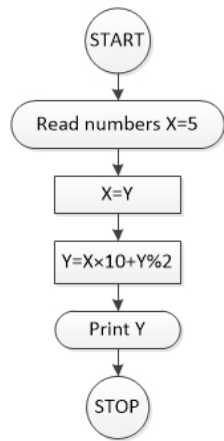
c) 1

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*