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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Problem Solving Through Programming In C (course)



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Course outline

How does an NPTEL online course work? ()

Week 0: ()

Week 1 ()

- Lecture 1 : Introduction (unit? unit=17&lesso n=18)
- Lecture 2: Idea of Algorithms (unit?

Week 1: Assignment 1

The due date for submitting this assignment has passed.

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

Assignment submitted on 2023-08-06, 09:47 IST

1) What type of device is computer webcam?

1 point

1 point

- a) Memory
- b) Output
- c) Storage
- d) Input

Yes, the answer is correct.

Score: 1

Accepted Answers:

- d) Input
- 2) Set of instructions to be provided to an electronic machine to perform a task is called
 - a) Programming
 - b) Processing
 - c) Computing
 - d) Compiling

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a) Programming
- 3) Which of the following language does the computer understand?

1 point

unit=17&lesso	a) Computer understands only C Language	
n=19)	b) Computer understands only Assembly Language	
O Lecture 3:	c) Computer understands only Binary Language	
Flow Chart	d) Computer understands only BASIC	
and		
Pseudocode (unit?	Yes, the answer is correct. Score: 1	
unit=17&lesso	Accepted Answers:	
n=20)	c) Computer understands only Binary Language	
○ Some	4) Which of the following is known as the language made up of binary-coded	1 point
corrections in	instructions?	•
Lecture 3 (unit?	O a VIII ob Land	
unit=17&lesso	a) High level	
n=21)	b) BASIC	
Clecture 4 :	O c) C	
Introduction	d) Machine	
to	Yes, the answer is correct. Score: 1	
Programming Language	Accepted Answers:	
Concepts	d) Machine	
(unit?		
unit=17&lesso n=22)	5) Algorithm is-	1 point
	a) A process or set of rules to be followed in calculations or other problem-solving	1
Lecture 5 : Variables and	operations, especially by a human.	,
Memory	b) A process or set of rules to be followed to solve numerical problems only.	
(unit?	c) A process or set of rules to be followed in calculations or other problem-solving	
unit=17&lesso n=23)	operations, especially by a computer.	
	Od) A process or set of rules to be followed in to solve logical problems only.	
Quiz: Week 1	Yes, the answer is correct.	
: Assignment 1	Score: 1	
(assessment?	Accepted Answers:	rations
name=219)	c) A process or set of rules to be followed in calculations or other problem-solving ope especially by a computer.	rations,
○ Feedback	copositing by a companion	
Form of Week	6) A 2D diagram to represent the steps to be followed to solve a problem is known as	1 point
1 (unit? unit=17&lesso		
n=25)	a) Flow-chart	
Assignment 1	b) Pseudo-code	
Solution (unit?	c) Both (a) and (b)	
unit=17&lesso	Od) None of these	
n=26)	Yes, the answer is correct. Score: 1	
Week 2 ()	Accepted Answers:	
	a) Flow-chart	
Week 3 ()		
Wools 4 ()	7) Which one of the following statement is the most appropriate?	1 point
Week 4 ()	a) Pseudo code is basically a diagrammatic representation of the algorithm. Whe	reas in
	flowchart normal English language is translated into the programming languages to	

Week 5 ()

Week 6 ()

Week 7 ()

Week 8 ()

Week 9 ()

Week 10 ()

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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.

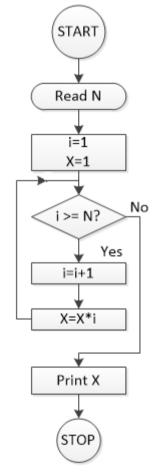
Yes, the answer is correct.

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
- ob) 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?

Read numbers X=5

Y=X×10+Y%2

Print Y

STOP

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

Yes, the answer is correct. Score: 1

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

a) Memory

Accepted Answers: d) Compilation error

- b) Register Unit
- c) Control Unit
- Od) ALU

Yes, the answer is correct.

Score: 1

Accepted Answers:

c) Control Unit