Assignment 1

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2018-09-12, 23:59 IST.

A short assignment for week 1, to be attempted after watching the lectures 1 to 4.

1) The following is not a reason why the introductory programming course is an important part of the curriculum

☐ It forms the basis of other topics in Computer Science.
☐ Many students get a job involving programming.
☐ It is a first course in almost all Computer Science degree programs.
☐ Most students pass the course easily.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Most students pass the course easily.

2) According to reports in the educational literature, the number of students passing the introductory programming course is approximately

☐ 30%
☐ 50%
☐ 70%
☐ 90%

No, the answer is incorrect.
Score: 0
Accepted Answers:
70%
4) A Scheme program contains the following function definition
\[
\text{(define (f x y)}
\text{ (if (= x 0)}
\text{ y)}
\text{ (f (- x 1) (+ y 1))})
\]
What is the result of evaluating the expression \((f 2 3)\) ?

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Numeric) 5

5) Which of the following ideas is not useful to solve the rainfall problem?

- Use a "break" statement
- Use of logical (bool) variables
- Repeating some code in the loop outside the loop
- Using an array

No, the answer is incorrect.
Score: 0
Accepted Answers:
Using an array

6) The term "scaffolding" in the introductory programming literature refers to

- Giving progressively harder exercises or teaching progressively harder concepts.
- Specialized code which can enable novices to program interesting functions.
- Teaching multiple similar concepts together by pointing out the similarities between them.
- Documentation about specialized programming environments written in a novice friendly manner.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Specialized code which can enable novices to program interesting functions.

7) The most important disappointment reported in the education literature about what students learn in introductory programming courses is

- Students do not learn syntax and semantics of programming languages.
- Students have difficulty remembering that = means assignment and not
8) Which of the following are true? Tick all that you think are true (there could be more than one).

- C is harder to teach in the initial weeks than C++ because you need to understand pointers.
- C++ is harder to teach in the initial weeks than C because you need to understand Object Oriented Programming.
- C is a safer language than C++.
- C++ is a safer language than C.

No, the answer is incorrect.
Score: 0
Accepted Answers:
C is harder to teach in the initial weeks than C++ because you need to understand pointers.

C++ is a safer language than C.

9) What do course descriptions say about "Learning to develop algorithms"?

- It is not mentioned at all.
- It is precisely defined.
- It is not precisely defined.
- It is considered an easy skill.

No, the answer is incorrect.
Score: 0
Accepted Answers:
It is not precisely defined.

10) "Pragmatics" in programming refers to

- Being practical about what programs you should write.
- Skill of Compiling, debugging programs.
Skill of writing specifications by talking to users.

None of the above.

No, the answer is incorrect.
Score: 0

Accepted Answers:
Skill of Compiling, debugging programs.