

## Introduction to Computer Science and Programming 1

### Quiz 4

(Chapter 10-13)

**Note:** This document has been designed and developed as part of an initiative for creating an OER (Open Education Resource) package for the course CSCI 120 at Columbia College.

Please contact [Alireza.davoodi@gmail.com](mailto:Alireza.davoodi@gmail.com) for any comment, modification, and questions.

**Terms of use:** Please feel free to customize this document as needed

Last Modified: May 2022

## Requirements

- Duration 15 min.
- This is an individual quiz.
- Please do not talk to each other.
- The order of the questions might be different for each students.
- Enter your answer in the answer sheet given to you.

## Problem1

Which Of The Following Represents A Distinctly Identifiable Entity In The Real World?

- A. A class
- B. An object
- C. A method
- D. A data field

## Problem2

Which Of The Following Is Required To Create A New Instance Of The Class?

- A. A constructor
- B. A class
- C. A value-returning method
- D. A None method

## Problem3

Which Of The Following Statements Is Most Accurate For The Declaration `X = Circle()`?

- A. x contains an int value.
- B. x contains an object of the Circle type.
- C. x contains a reference to a Circle object.
- D. You can assign an int value to x.

## Problem4

What Will Be The Output Of The Following Code Snippet?

```
class Sales:
    def __init__(self, id):
        self.id = id
```

```
        id = 100

val = Sales(123)
print (val.id)
```

- A. SyntaxError, this program will not run
- B. 100
- C. 123
- D. None of the above

## Problem5

What does the `__init__()` function do in Python?

- A. Initializes the class for use.
- B. This function is called when a new object is instantiated.
- C. Initializes all the data attributes to zero when called.
- D. None of the above.

## Problem6

What will be the output of the following Python code?

```
class test:
    def __init__(self,a):
        self.a=a

    def display(self):
        print(self.a)
obj=test()
obj.display()
```

- A) Runs normally, doesn't display anything
- B) Displays 0, which is the automatic default value
- C) Error as one argument is required while creating the object
- D) Error as display function requires additional argument

**Good Luck ☺**