

CSE-2214

Object Oriented Programming Sessional

Week-04

(Constructor & Method Overloading)

****Always follow the programming conventions, I mentioned in the lecture videos. You must use proper indentation in your code.**

Task-1

To solve this task, use your own imagination. We will create a class to represent a smart phone.

- Create a class with appropriate name.
- Add three attributes, that you think the most important for a smart phone.
- Add a parameter less constructor to set the default values for each attribute.
- Add a parameterized constructor to set the given values for each attribute. Use the concept of 'Instance Variable Hiding'.
- Create a class **Task_1** with a main method. Inside the main method, create three different object of smart phone using different constructor (one with parameter-less, two with parameterized).

Task-2

- Create a class **SeriesPrinter**.
- Add some overloaded methods as follows:
 - **printSeries(int n):** prints all the integers up to **n** from **0**.
 - Example: printSeries(5) -> 0 1 2 3 4 5
 - **printSeries(int startIndex, int endIndex):** prints all integers from **startIndex** to **endIndex**.
 - Example: printSeries(5, 10) -> 5 6 7 8 9 10
 - **printSeries(int startIndex, int endIndex, int interval):** prints all the integers from **startIndex** with a given interval.
 - Example: printSeries(5, 15, 3) -> 5 8 11 14
- Create a class **Task_2** that includes a main method. In the main method test all the overloaded methods of SeriesPrinter.