

Week 10 Tutorial

1. Create a class Faculty with the following:
 - a. Instance variables: name, startDate and duration
 - b. Parameterized constructor with name and duration as parameters
 - i. Assign the value of parameters in the corresponding instance variables
 - ii. Initialize the value of startDate to blank ("")
 - c. Getter methods for all the variables
 - d. Setter method for startDate
 - e. Display method to display all the values if they are not empty

2. Create a class BITFaculty extending Faculty with the following:
 - a. Instance variables: numberOfStudents and courseNames
 - b. Parameterized constructor with name, duration and courseNames as parameters
 - i. Call super constructor by passing name and duration
 - ii. Assign the value of courseName in the corresponding instance variable
 - c. Getter methods for all the variables
 - d. Setter method for numberOfStudents
 - e. Display method:
 - i. Call super class display method
 - ii. Print the value of numberOfStudents and courseNames

3. Create a class BBAFaculty extending Faculty with the following:
 - a. Instance variables: noOfYears and moduleNames
 - b. Parameterized constructor with name, duration and moduleNames as parameters

- i. Call super constructor by passing name and duration
 - ii. Assign the value of moduleNames in the corresponding instance variable
- c. Getter methods for all the variables
- d. Setter method for noOfYears
- e. Display method:
 - i. Call super class display method
 - ii. Print the value of noOfYears and moduleNames

Test Case 1:

1. Create an object of BITFaculty
2. Inspect it
3. Call setter method of startDate
4. Call setter method of numberOfStudents
5. Inspect it
6. Call display method

Test Case 2:

1. Create an object of BBFAcademy
2. Inspect it
3. Call setter method of startDate
4. Call setter method of noOfYears
5. Inspect it
6. Call display method