

(An off-Campus Institution of NITTE (DEEMED TO BE UNIVERSITY), MANGALORE)

**Department of MCA**

24-04-2023

**ENTERPRISE JAVA LAB (22MCA207)**

**ASSIGNMENT - 2**

1. Write a program to create a class Student with data ‘name, city and age’ along with method printData to display the data. Create the two objects s1 ,s2 to declare and access the values.
2. Write a program to create a class Student2 along with two method getData(),printData() to get the value through  
   argument and display the data in printData. Create the two objects s1 ,s2 to declare and access the values from  
   class STtest.
3. Write a Java program to show 0-arguments constructor
4. Write a Java program to show parameterized constructor.
5. WAP using parameterized constructor with two parameters id and name. While creating the objects obj1 and obj2  
   passed two arguments so that this constructor gets invoked after creation of obj1 and obj2.
6. Write a Java program to show constructor overloading.
7. Write a Java program to show METHOD overloading.
8. Write a class, Grader, which has an instance variable, score, an appropriate constructor and appropriate methods. A method, letterGrade() that returns the letter grade as O/E/A/B/C/F.  
   Now write a demo class to test the Grader class by reading a score from the user, using it to create a Grader object after validating that the value is not negative and is not greater then 100. Finally, call the letterGrade() method to get and print the grade.
9. Write a class, Commission, which has an instance variable, sales; an appropriate constructor; and a method, commission() that returns the commission. Now write a demo class to test the Commission class by reading a sale from the user, using it to create a Commission object after validating that the value is not negative. Finally, call the commission() method to get and print the commission. If the sales are negative, your demo should print the message “Invalid Input”.
10. Write a Java program to calculate total, average and grade for 10 students. Consider the necessary datamembers and member methods required to achieve the requirements.