**Session 2**

**OBJECTIVES:** Class and Object , Class with more than one methods, More than one class, Passing value, Constructors, Parameterized Constructors, Returning a Value, The this Keyword, Constructor overloading.

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| class Student {  private String name;  private String department;  private float cgpa;  public Student() //Constructor  {  name="Rahim";  department="CSE";  cgpa=(float) 3.25;  }  public Student(String name,String department, float cgpa) //constructor overloading  {  this.name=name;  this.department=department;  this.cgpa=cgpa;  }  public void set\_name(String name) //Passing value  {  this.name=name;  }  public String get\_name() //Returning a value  {  return this.name;  }  public void set\_department(String department)  {  this.department=department;  }  public String get\_department()  {  return this.department;  }  public void set\_cgpa(float cgpa)  {  this.cgpa=cgpa;  }  public float get\_cgpa()  {  return this.cgpa;  }  public void display()  {  System.out.println("In display function");  System.out.println("Name: "+name);  System.out.println("Department: "+department);  System.out.println("CGPA: "+cgpa);  }  }  public class Test {  public static void main(String[] args) {  // TODO code application logic here  Student s=new Student();  System.out.println("Using Constructor function");  s.display();  Student s1=new Student("Zahin","CSE", (float) 3.45);  s1.display();  s1.set\_name("Jahin");  System.out.println("After changing the 2nd student's name using set\_name() method");  s1.display();  }    } |

**Exercises:**

1. Write a program with Employee class which has four private instances: name, salary, designation and age. Write necessary getter and setter methods for all the four instances. Write a method printEmployee()to print all the instances of that class. Then create three Employee class object and print their member instances.

**Assessments:**

1. Online Test-1