# Exercise 01:

//Identifying same atr and creating a Person Class

class Person {

private String name;

private int id;

public Person(String name, int id) {

this.name = name;

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public int getID() {

return id;

}

public void setID(int id) {

this.id = id;

}

}

//Creating Student Class

class Student extends Person {

private String course;

public Student(String name, int id, String course) {

super(name, id);

this.course = course;

}

public String getCourse() {

return course;

}

public void setCourse(String course) {

this.course = course;

}

}

class Lecturer extends Person {

private String programme;

public Lecturer(String name, int id, String programme) {

super(name, id);

this.programme = programme;

}

public String getProgramme() {

return programme;

}

public void setProgramme(String programme) {

this.programme = programme;

}

}

public class mainTest {

public static void main(String[] args) {

Student student = new Student("Sajeeth",28026, "Data Science");

System.out.println("Student Name: " + student.getName());

System.out.println("Student ID: " + student.getID());

System.out.println("Student Course: " + student.getCourse());

Lecturer lecturer = new Lecturer("Mr. Shafraz Sir", 20021, "OOP\_Java");

System.out.println("Lecturer Name: " + lecturer.getName());

System.out.println("Lecturer ID: " + lecturer.getID());

System.out.println("Lecturer Programme: " + lecturer.getProgramme());

}

}