Assignment- 5

Subject- JAVA SE Programming Lab

Submitted By: Submitted To:

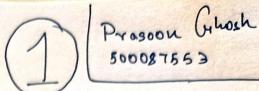Prasoon Ghosh   Inder Singh Sir

BCA B.F.S.I

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Semester-4

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```
Q1) package com.example.domain;
    public class Employee;
        private int empid;
        private String name;
        private String ssn;
        private double salary;

        public Employee (int empid, String name, String ssn,
                    double salary){

            this.empid = empid;
            this.name = name;
            this.ssn = ssn;
            this.salary = salary;
        }

        public void setName(String name){
            this.name = name;
        }
        public void raiseSalary(double increase){
            this.salary = salary + increase;
        }

        public int getEmpid(){
            return empid;
        }
        public String getSsn(){
            return Ssn
        public String getName(){
            return name;
        }
```

```java
public String getSsn(){
    return ssn;
}

public double getSalary(){
    return salary;
}

public void printEmployee(){
    System.out.println("Employee Id: " +empid);
    System.out.println("Name : " +name);
    System.out.println(" Social Security Number: "+ssn);
    System.out.println(" Salary: " +salary);
}
}
```

```java
//class Manager extends Employee

package com.example.domain;
public class Manager extends Employee{
    private String deptName;

    public String getDeptName() {
        return deptName;
    }

    public Manager(int empid, String name, String
                ssn, double salary, String deptName)
    {
        super(empid, name, ssn, salary);

        this.deptName = deptName;
    }
}
```

```
// Admin extends Employee

package com.example.domain;

public class Admin extends Employee {
    public Admin (int empid, String name, String ssn,
                  double salary) {
        super (empid, name, ssn, salary);
    }
}
```

```
// Director extends Manager

package com.example.domain;
public class Director extends Manager {
    private double budget;
    public double getBudget () {
        return budget;
    }
    public Director (int empid, String name, String ssn,
                     double salary, String deptName, double
                     budget ) {
        super (empid, name, ssn, salary, deptName);
        this budget = budget;
    }
}
```

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```
// Engineer extends Employee
public class Engineer extends Emp
package com.example.domain;

public class Engineer extends Employee {
    public Engineer (int empid, String name, String ssn,
                        double salary) {
        super (empid , name, ssn, salary );
    }
}
```

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```java
package com.example;
import class EmployeeTest {
    public static void main (String [] args) {
        Engineer en = new Engineer(empid:101,
        name: "Jane Smith", ssn:"012-34-5678", salary:
        120-345.27);

        en. printEmployee();

        System.out.println();

        Manager m = new Manager(empid: 207,
        name: "Barbara Johnson", ssn:"054-12-2367",
        salary: 109-507.36, deptName "US Marketing");

        m. printEmployee();

        System.out.println();


        Admin ad = new Admin(empid: 304, name:
        "Bill Munroe", ssn: "108-23-6509", salary: 75.002.34);

        ad. printEmployee();


        System.out.println()
```
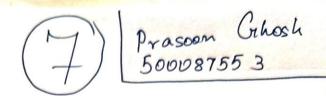
```
Director dr = new Director (empid: 12 , name: "Susan
Wheeler", ssn: "099 - 45 - 2340", salary: 120_567.36,
deptName : " Globar Marketing ", budget : 1_000_000.00);

dr. printEmployee();
    }
}
```

```
"D:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.2\lib\idea_rt.jar=49851:D:\Program Fi
Employee Id: 101
Name: Jane Smith
Social Security Number: 012-34-5678
Salary: 120345.27

Employee Id: 207
Name: Barbara Johnson
Social Security Number: 054-12-2367
Salary: 109507.36

Employee Id: 304
Name: Bill Munroe
Social Security Number: 108-23-6509
Salary: 75002.34

Employee Id: 12
Name: Susan Wheeler
Social Security Number: 099-45-2340
Salary: 120567.36

Process finished with exit code 0
```