ASSIGNMENT 25

Q1)

```
package Day7;

/**
 1)Create class WageEmployee extending Employee class with attributes as hrs (int)and rate(int) and method computeSalary()
 to calculate the salary.Print the salary and details of WageEmployee (Note: Use the previous Employee classes Accept
 the values from the user Default, Parameterised Constructor and toString() to be written in all the classes)

 2) Create SalesPerson class extending WageEmployee with attributes as sales(int) and commission (int)Override the ComputeSalary()
 in Salesperson class and print the salary and details of SalesPerson

 3)Create Manager class extending Employee class with attributes as fixed salary(int) and incentives(int) and method computeSalary()
 to calculate the salary of Manager Print the salary and details of Manager

 *@author Anuj Sundriyal
 */
class Employee {
    String name;
    Employee(String em) {
        name = em;
    }

    void computeSalary() {
        System.out.println("Name of Employee is:"+ name);
    }
}


class WageEmployee extends Employee {
    int hrs;
    int rate;

    WageEmployee(String em, int hrs, int rate) {
        super(em);
        this.hrs = hrs;
        this.rate = rate;
    }

    void computeSalary() {
        super.computeSalary();
        System.out.println("Wage of Employee is :" + hrs * rate);
    }
}

class SalesPerson extends WageEmployee {
    int sales;
    int commision;
```

```
    SalesPerson(String em, int hrs, int rate, int sales, int commision) {
        super(em, hrs, rate);
        this.sales = sales;
        this.commision = commision;
    }

    void computeSalary() {
        super.computeSalary();
        System.out.println("Salary of sales person is :" + (sales + commision));
    }
}

class Manager extends Employee {
    int fixed_salary;
    int incentive;

    Manager(String em, int fixed_salary, int incentive) {
        super(em);
        this.fixed_salary = fixed_salary;
        this.incentive = incentive;
    }

    void computeSalary() {
        super.computeSalary();
        System.out.println("Salary of manager is " + (fixed_salary + incentive));
    }
}

public class TestClass {
    public static void main(String[] args) {
        Employee employee = new Manager("Anuj Sundriyal",10000,20);
        WageEmployee wageEmployee = new SalesPerson("",10,200,20,2000);
        employee.computeSalary();
        wageEmployee.computeSalary();
    }
}
```

```
Name of Employee is:Anuj Sundriyal
Salary of manager is 10020
Name of Employee is:
Wage of Employee is :2000
Salary of sales person is :2020

Process finished with exit code 0
```

Q2)Write a TestEmployee class to print the details of all employees(use array[] of Employee class)

```
package Day7;
class Employee
{
    //static because for all employee Company name is same
    final static String CompanyName = "Coditas";
    String EmpName,Position,salary;
    Address a;
    public String getEmpName()  {
        return EmpName;
    }

    public void setEmpName(String  empName)  {
        EmpName  = empName;
    }

    public String getPosition() {
        return Position;
    }

    public void setPosition(String position) {
        Position = position;
    }

    public String getSalary() {
        return salary;
    }

    public void setSalary(String salary) {
        this.salary = salary;
    }

    public Address getA() {
        return a;
    }

    public void setA(Address a) {
        this.a = a;
    }

    @Override
    public String toString() {
        return "Employee{" +
                "EmpName='"  + EmpName  + '\'' +
                ", Position='" + Position + '\'' +
                ", salary='" + salary + '\'' +
                ", a=" + a +
                '}';
    }

   //Address Nested class which hold all the address attribute like city  area house no.
    class Address
    {
```

```
        String city , area, houseNo;
        public String getCity() {
            return city;
        }

        public void setCity(String city) {
            this.city = city;
        }

        public String getArea() {
            return area;
        }

        public void setArea(String area) {
            this.area = area;
        }

        public String getHouseNo() {
            return houseNo;
        }

        public void setHouseNo(String houseNo) {
            this.houseNo = houseNo;
        }

        @Override
        public String toString() {
            return "Address{" +
                    "city='" + city + '\'' +
                    ", area='" + area + '\'' +
                    ", houseNo='" + houseNo + '\'' +
                    '}';
        }


    }

}
public class TestEmployee {
    public void displayEmployeeDetail(Employee[] e)
    {
        for (int i=0;i<e.length;i++)
        {
            System.out.println("======================Employee "+(i+1)+"
Details======================");
            System.out.println(e[i]);
        }
    }
    public static void main(String[] args) {
        Employee employee[]=new Employee[2];
        //Employee One
        Employee employee1 = new Employee();
        Employee.Address address = employee1.new Address();
        address.setArea("Nathanpur");
        address.setCity("Dehradun");
```

```
        address.setHouseNo("2");
        employee1.setA(address);
        employee1.setEmpName("Anuj  Sundriyal");
        employee1.setSalary("20000");
        employee1.setPosition("Associate Software Developer");
        //Employee  Two
        Employee  employee2 = new Employee();
        Employee.Address address2= employee1.new  Address();
        address2.setArea("Nehrugram");
        address2.setCity("Pune");
        address2.setHouseNo("4");
        employee2.setA(address);
        employee2.setEmpName("Akash  Rawat");
        employee2.setSalary("30000");
        employee2.setPosition("Associate Software Developer");
        employee[0]=employee1;
        employee[1]=employee2;
        new TestEmployee().displayEmployeeDetail(employee);
    }
}
```

```
======================Employee 1 Details====================

Employee{EmpName='Anuj Sundriyal', Position='Associate Software Developer', salary='20000', a=Address{city='Dehradun', area='Nathanpur', houseNo='

======================Employee 2 Details====================

Employee{EmpName='Akash Rawat', Position='Associate Software Developer', salary='30000', a=Address{city='Dehradun', area='Nathanpur', houseNo='2'}


Process finished with exit code 0
```