

```
abstract class Person {
    private String person_name;
    private int id;
    public abstract void setDetails(int id, String name, double salary, int joiningYear);
}

class Employee extends Person {
    double salary;
    int joiningYear;
    int id;
    String name;

    Employee(int id, String name, double salary, int joiningYear) {
        setDetails(id, name, salary, joiningYear);
    }

    public void setDetails(int id, String name, double salary, int joiningYear) {
        if (id <= 0) {

        }

        if (salary < 1000 || salary > 4000) {

        }

        if (joiningYear < 1994 || joiningYear > 2021) {

        }
        this.id = id;
        this.name = name;
        this.salary = salary;
        this.joiningYear = joiningYear;
    }

    public void updateSalary(int years) {
        if (2021 - joiningYear > 10) {
            this.salary = ((15 / 100) * this.salary) + this.salary;
        } else if (2021 - joiningYear > 5) {
            this.salary = ((5 / 100) * this.salary) + this.salary;
        } else if (2021 - joiningYear > 3) {
            this.salary = ((3 / 100) * this.salary) + this.salary;
        }
    }
}
```

```
public class Qus2 {  
    public static void main(String[] args) {  
        Employee emp = new Employee(1, "Deepak", 20000, 2010);  
  
        System.out.println(emp.id);  
        System.out.println(emp.name);  
        System.out.println(emp.salary);  
        System.out.println(emp.joiningYear);  
    }  
}
```

