

**1)Write a Teacher class with Id,name and DOB(contained object->containment) with default and parameterised constructor and toString()**

⇒

```
package com.prathamesh.jan28;
```

```
import java.util.Scanner;
```

```
class Dob {
```

```
    int date;
```

```
    int month;
```

```
    int year;
```

```
    public Dob() {
```

```
    }
```

```
    public Dob(int date, int month, int year) {
```

```
        this.date = date;
```

```
        this.month = month;
```

```
        this.year = year;
```

```
    }
```

```
    @Override
```

```
    public String toString() {
```

```
        return "Date of Birth: " + date +
```

```
            "/" + month +
```

```
            "/" + year;
```

```
    }
```

```
}
```

```
class Teacher {
```

```
    int t_id;
```

```
    String name;
```

```
    Dob ref_dob;
```

```
    public Teacher() {
```

```
    }
```

```
    public Teacher(int t_id, String name, Dob ref_dob) {
```

```
        this.t_id = t_id;
```

```
        this.name = name;
```

```
        this.ref_dob = ref_dob;
```

```

    }

    @Override
    public String toString() {
        return "Teacher{" +
            "t_id=" + t_id +
            ", name=" + name + "\" +
            ", ref_dob=" + ref_dob +
            "'";
    }
}

public class Q1 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter the Date of Birth:");
        int date = sc.nextInt();
        int month = sc.nextInt();
        int year = sc.nextInt();
        Dob obj_d1 = new Dob(date, month, year);
        System.out.println(obj_d1);
        System.out.println("*****");
        Scanner sc_2 = new Scanner(System.in);
        System.out.println("Enter the teacher name: ");
        String name = sc_2.nextLine();
        System.out.println("Enter the Teacher id: ");
        int t_id = sc_2.nextInt();
        Teacher obj_t1 = new Teacher(t_id, name, obj_d1);
        System.out.println(obj_t1);
    }
}

```

**Output:**

```

Enter the Date of Birth:23
07
2000
Date of Birth: 23/7/2000
*****
Enter the teacher name:
Prathamesh
Enter the Teacher id:
1002
Teacher{t_id=1002, name='Prathamesh', ref_dob=Date of Birth: 23/7/2000}

```

2)write an Employee class with Id,name,salary and DOB(contained object->containment) with default and parameterised constructor and toString()

⇒

```
package com.prathamesh.jan28;
```

```
import java.util.Scanner;
```

```
class Dob {
```

```
    int date;
```

```
    int month;
```

```
    int year;
```

```
    public Dob() {
```

```
    }
```

```
    public Dob(int date, int month, int year) {
```

```
        this.date = date;
```

```
        this.month = month;
```

```
        this.year = year;
```

```
    }
```

```
    @Override
```

```
    public String toString() {
```

```
        return "Date of Birth: " + date +
```

```
            "/" + month +
```

```
            "/" + year;
```

```
    }
```

```
}
```

```
class Emplo_yee {
```

```
    int e_id;
```

```
    String name;
```

```
    int salary;
```

```
    Dob e_dob;
```

```
    public Emplo_yee() {
```

```
    }
```

```
    public Emplo_yee(int e_id, String name, int salary, Dob e_dob) {
```

```
        this.e_id = e_id;
```

```

        this.name = name;
        this.salary = salary;
        this.e_dob = e_dob;
    }

    @Override
    public String toString() {
        return "Emplo_yee{" +
            "e_id=" + e_id +
            ", name=" + name + "\" +
            ", salary=" + salary +
            ", e_dob=" + e_dob +
            "'";
    }
}

```

```

public class Q2 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter the Date of Birth:");
        int date = sc.nextInt();
        int month = sc.nextInt();
        int year = sc.nextInt();
        Dob obj_d1 = new Dob(date, month, year);
        System.out.println(obj_d1);
        System.out.println("*****");
        Scanner sc_2 = new Scanner(System.in);
        System.out.println("Enter the Employee name: ");
        String name = sc_2.nextLine();
        System.out.println("Enter the Employee id: ");
        int e_id = sc_2.nextInt();
        System.out.println("Enter the Employee Salary: ");
        int salary = sc_2.nextInt();
        Emplo_yee obj_e1 = new Emplo_yee(e_id, name, salary, obj_d1);
        System.out.println(obj_e1);
    }
}

```

**Output:**

```

Enter the Date of Birth:23
07
2000

```

**Date of Birth: 23/7/2000**

\*\*\*\*\*

**Enter the Employee name:**

**Prathamesh**

**Enter the Employee id:**

**1003**

**Enter the Employee Salary:**

**11000**

**Emplo\_yee{e\_id=1003, name='Prathamesh', salary=11000, e\_dob=Date of Birth:  
23/7/2000}**

**Process finished with exit code 0**