Program 01:

```java
package shadowingProblem;
public class Dancer {
    int id;
    String name;
    String gender;
    String email_id;
    long phone;
    String dancing_sytle;
    String certification;
    String programme_date;
    String programme_venue;
    long entry_fee;
    public Dancer(int id, String name, String gender, String email_id, long phone,String dancing_sytle,String certification,String programme_date,String programme_venue,long entry_fee)
    {
        super();
        this.id = id;
        this.name = name;
        this.gender = gender;
        this.email_id = email_id;
        this.phone = phone;
        this.dancing_sytle=dancing_sytle;
        this.certification=certification;
        this.programme_date=programme_date;
        this.programme_venue=programme_venue;
        this.entry_fee=entry_fee;
    }
    void dancing()
    {
        System.out.println(name+" will be dancing at "+programme_venue+" on "+programme_date+" and entry fee will be "+entry_fee);
    }
    void ShowDetails()
    {
        System.out.println(name+" "+gender+" "+email_id+" "+phone+" are the booking details of an artist");
    }
```

```java
        }


package shadowingProblem;
import java.util.Scanner;
public class DancingArtist {
    public static void main(String[] args) {
            Scanner scan=new Scanner(System.in);
            System.out.println("Enter the id");
            int id=scan.nextInt();
            System.out.println("Enter the name");
            scan.nextLine();
            String name=scan.nextLine();
            System.out.println("Enter the gender");
            String gender=scan.next();
            System.out.println("Enter the email");
            String email_id=scan.next();
            System.out.println("Enter the phone");
            long phone=scan.nextLong();
            System.out.println("Enter the dancing_sytle");
            scan.nextLine();
            String dancing_sytle=scan.nextLine();
            System.out.println("Enter if certification is done or not");
            String certification=scan.nextLine();
            System.out.println("Enter the programme_date");
            String programme_date=scan.nextLine();
            System.out.println("Enter the programme_venue");
            scan.nextLine();
            String programme_venue=scan.nextLine();
            System.out.println("Enter the entry_fee");
            long entry_fee=scan.nextLong();
            Dancer d=new
Dancer(id,name,gender,email_id,phone,dancing_sytle,certification,programme_date,
programme_venue,entry_fee);
            System.out.println(d.id+" "+d.name+" "+d.gender+"
"+d.email_id+" "+d.phone+" "+d.dancing_sytle+" "+d.certification+"
"+d.programme_date+" "+d.programme_venue+" "+entry_fee);


    }
  }
```

OUTPUT:

or Navigate Search Project Run Window Help

Dancer.java   DancingArtist.java ×

```
14                    System.out.println("Enter the gender");
15                    String gender=scan.next();
```

Problems @ Javadoc Declaration Console ×

<terminated> DancingArtist [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (03-Jul-2023, 1:46:04 pm – 1:47:04 pm) [pid: 1196]

```
Enter the id
123
Enter the name
Aarthi
Enter the gender
Female
Enter the email
aarthi@gmail.com
Enter the phone
12345678999
Enter the dancing_sytle
Bharathnatyam
Enter if certification is done or not
Yes
Enter the programme_date
july 04
Enter the programme_venue
Bengaluru
Enter the entry_fee
2000
123 Aarthi Female aarthi@gmail.com 12345678999 Bharathnatyam Yes july 04 Bengaluru 2000
```
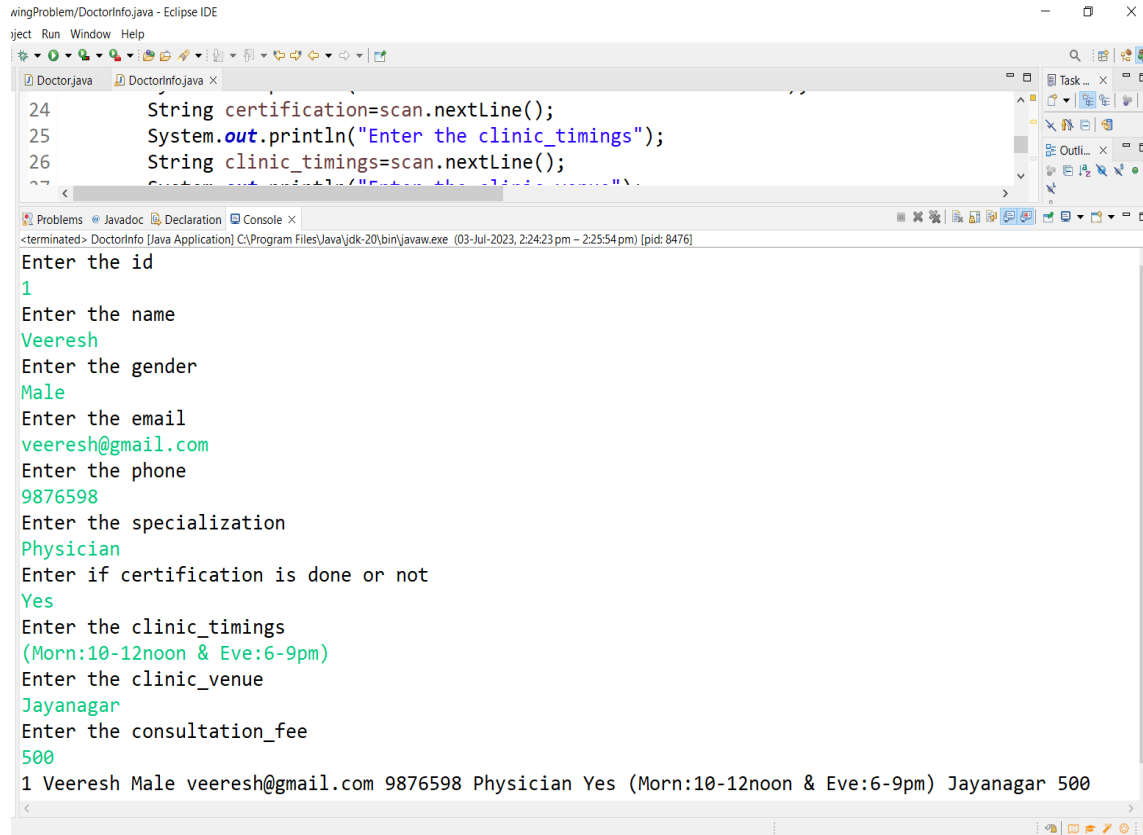
Program 02:

```java
package shadowingProblem;
public class Doctor {
    int id;
    String name;
    String gender;
    String email_id;
    long phone;
    String specialization;
    String certification;
    String clinic_timings;
    String clinic_venue;
    int consultation_fee;
    public Doctor(int id, String name, String gender, String email_id, long
phone,String specialization,String certification,String clinic_timings,String
clinic_venue,int consultation_fee)
    {
        super();
        this.id = id;
        this.name = name;
        this.gender = gender;
        this.email_id = email_id;
        this.phone = phone;
        this.specialization=specialization;
        this.certification=certification;
        this.clinic_timings=clinic_timings;
        this.clinic_venue=clinic_venue;
        this.consultation_fee=consultation_fee;
    }
    void consulting()
    {
        System.out.println("I will be consulting Dr. "+name+"today");
    }
    void treating()
    {
        System.out.println("Doctor "+name+"treated me for lung allergy as he is
specialized in "+specialization);
    }
}
```

```java
package shadowingProblem;
import java.util.Scanner;
public class DoctorInfo {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter the id");
        int id=scan.nextInt();
        System.out.println("Enter the name");
        scan.nextLine();
        String name=scan.nextLine();
        System.out.println("Enter the gender");
        String gender=scan.next();
        System.out.println("Enter the email");
        String email_id=scan.next();
        System.out.println("Enter the phone");
        long phone=scan.nextLong();
        System.out.println("Enter the specialization");
        scan.nextLine();
        String specialization=scan.nextLine();
        System.out.println("Enter if certification is done or not");
        String certification=scan.nextLine();
        System.out.println("Enter the clinic_timings");
        String clinic_timings=scan.nextLine();
        System.out.println("Enter the clinic_venue");
        String clinic_venue=scan.nextLine();
        System.out.println("Enter the consultation_fee");
        int consultation_fee=scan.nextInt();
        Doctor d=new
Doctor(id,name,gender,email_id,phone,specialization,certification,clinic_timings,
clinic_venue,consultation_fee);
        System.out.println(d.id+" "+d.name+" "+d.gender+" "+d.email_id+"
"+d.phone+" "+d.specialization+" "+d.certification+" "+d.clinic_timings+"
"+d.clinic_venue+" "+consultation_fee);
    }
}
```

OUTPUT:


```
24        String certification=scan.nextLine();
25        System.out.println("Enter the clinic_timings");
26        String clinic_timings=scan.nextLine();
```

```
<terminated> DoctorInfo [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe  (03-Jul-2023, 2:24:23 pm – 2:25:54 pm) [pid: 8476]
Enter the id
1
Enter the name
Veeresh
Enter the gender
Male
Enter the email
veeresh@gmail.com
Enter the phone
9876598
Enter the specialization
Physician
Enter if certification is done or not
Yes
Enter the clinic_timings
(Morn:10-12noon & Eve:6-9pm)
Enter the clinic_venue
Jayanagar
Enter the consultation_fee
500
1 Veeresh Male veeresh@gmail.com 9876598 Physician Yes (Morn:10-12noon & Eve:6-9pm) Jayanagar 500
```