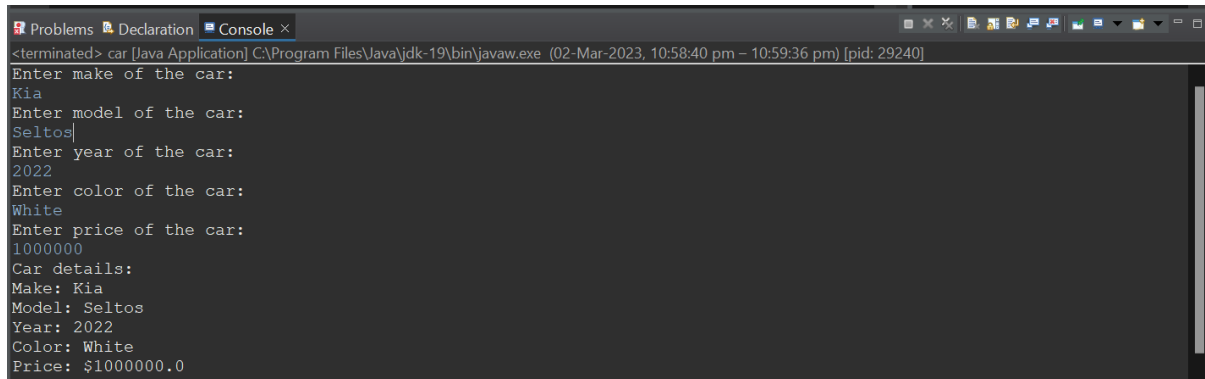


Assignment-2

1. Create a class called "Car" that has the following properties: make, model, year, colour, and price. Include a constructor and getter and setter methods for each property.

<https://codeshare.io/ZJEdwe>

OUTPUT:

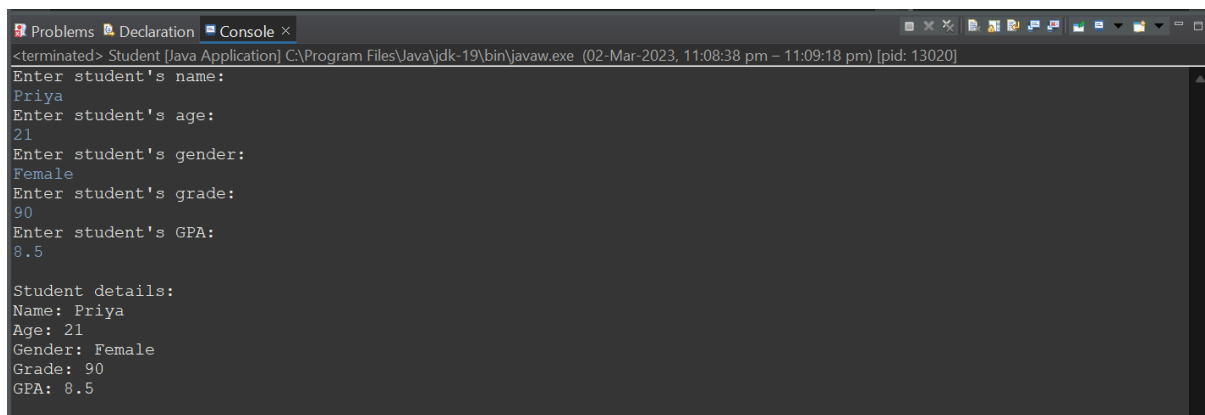


```
<terminated> car [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 10:58:40 pm – 10:59:36 pm) [pid: 29240]
Enter make of the car:
Kia
Enter model of the car:
Seltos
Enter year of the car:
2022
Enter color of the car:
White
Enter price of the car:
1000000
Car details:
Make: Kia
Model: Seltos
Year: 2022
Color: White
Price: $1000000.0
```

2. Create a class called "Student" that has the following properties: name, age, gender, grade, and GPA. Include a constructor and getter and setter methods for each property.

<https://codeshare.io/km8WrL>

OUTPUT:

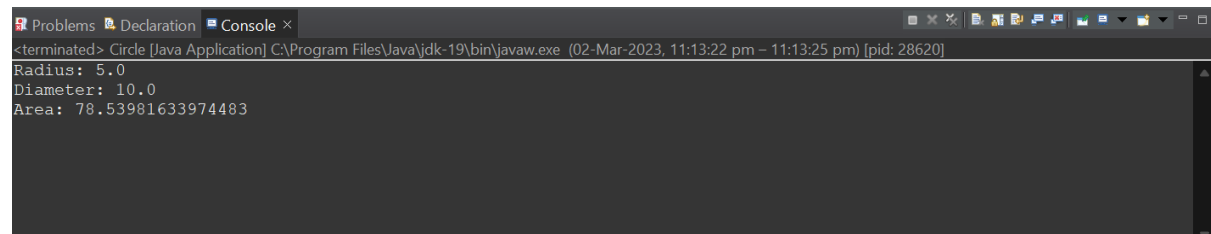


```
<terminated> Student [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 11:08:38 pm – 11:09:18 pm) [pid: 13020]
Enter student's name:
Priya
Enter student's age:
21
Enter student's gender:
Female
Enter student's grade:
90
Enter student's GPA:
8.5
Student details:
Name: Priya
Age: 21
Gender: Female
Grade: 90
GPA: 8.5
```

3. Create a class called "Circle" that has the following properties: radius, diameter, and area. Include a constructor and methods to calculate the diameter and area of the circle.

<https://codeshare.io/QnEXrq>

OUTPUT:

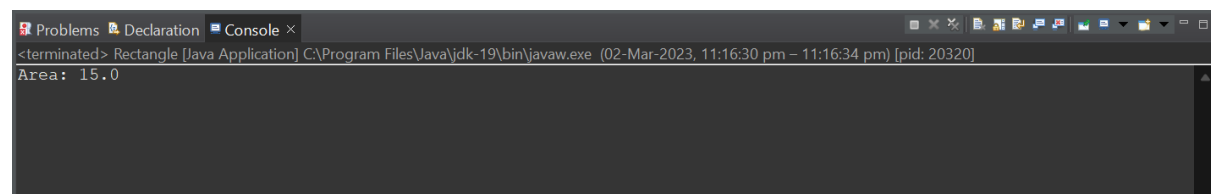


```
<terminated> Circle [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 11:13:22 pm – 11:13:25 pm) [pid: 28620]
Radius: 5.0
Diameter: 10.0
Area: 78.53981633974483
```

4. Create a class called "Rectangle" that has the following properties: length, width, and area. Include a constructor and a method to calculate the area of the rectangle.

<https://codeshare.io/QnEXrR>

OUTPUT:

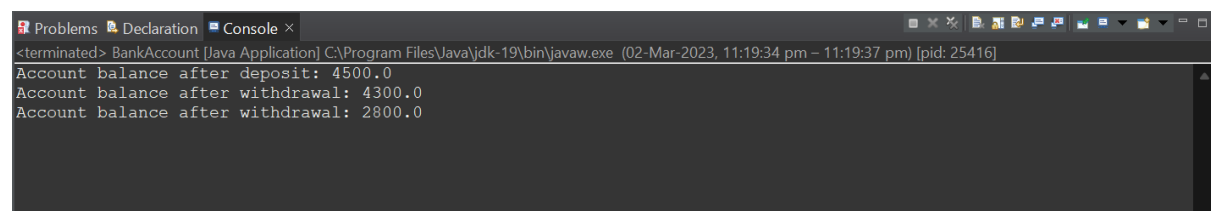


```
<terminated> Rectangle [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 11:16:30 pm – 11:16:34 pm) [pid: 20320]
Area: 15.0
```

5. Create a class called "BankAccount" that has the following properties: account number, account balance, account holder name, and account type. Include a constructor and methods to deposit and withdraw money from the account.

<https://codeshare.io/oQ3WXo>

OUTPUT:

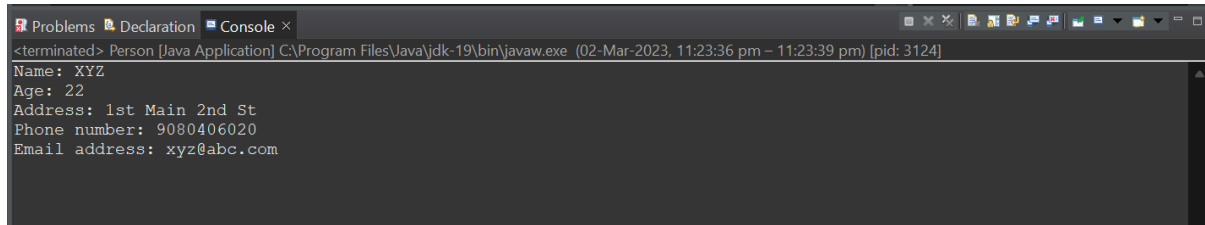


```
<terminated> BankAccount [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 11:19:34 pm – 11:19:37 pm) [pid: 25416]
Account balance after deposit: 4500.0
Account balance after withdrawal: 4300.0
Account balance after withdrawal: 2800.0
```

6. Create a class called "Person" that has the following properties: name, age, address, phone number, and email address. Include a constructor and getter and setter methods for each property.

<https://codeshare.io/1Y83X1>

OUTPUT:

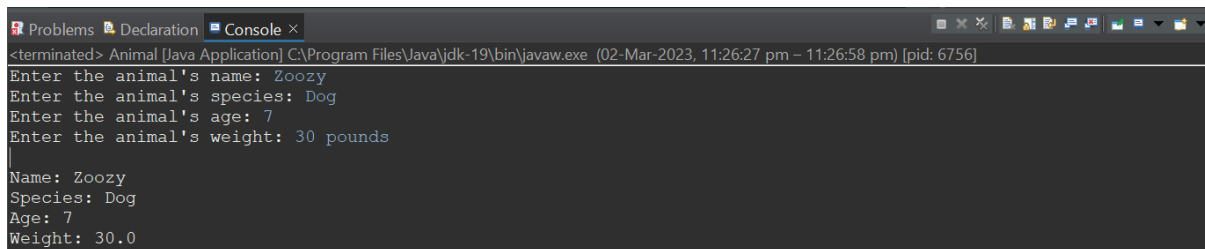


```
Problems Declaration Console x
<terminated> Person [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 11:23:36 pm - 11:23:39 pm) [pid: 3124]
Name: XYZ
Age: 22
Address: 1st Main 2nd St
Phone number: 9080406020
Email address: xyz@abc.com
```

7. Create a class called "Animal" that has the following properties: name, species, age, and weight. Include a constructor and getter and setter methods for each property.

<https://codeshare.io/vwjWmW>

OUTPUT:

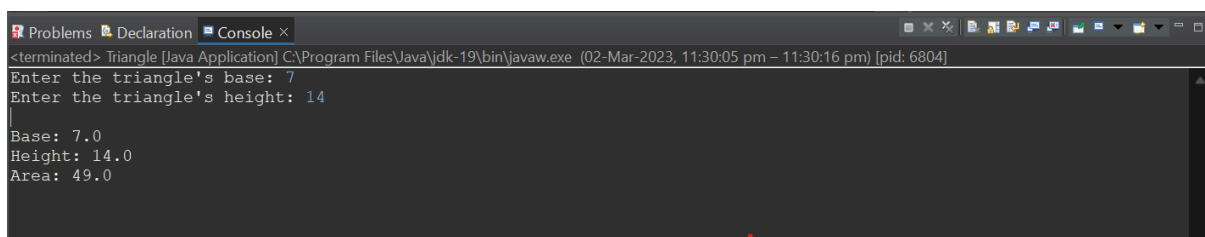


```
Problems Declaration Console x
<terminated> Animal [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 11:26:27 pm - 11:26:58 pm) [pid: 6756]
Enter the animal's name: Zoozy
Enter the animal's species: Dog
Enter the animal's age: 7
Enter the animal's weight: 30 pounds
Name: Zoozy
Species: Dog
Age: 7
Weight: 30.0
```

8. Create a class called "Triangle" that has the following properties: base, height, and area. Include a constructor and a method to calculate the area of the triangle.

<https://codeshare.io/j0dWxA>

OUTPUT:



```
Problems Declaration Console x
<terminated> Triangle [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 11:30:05 pm - 11:30:16 pm) [pid: 6804]
Enter the triangle's base: 7
Enter the triangle's height: 14
Base: 7.0
Height: 14.0
Area: 49.0
```

9. Create a class called "Employee" that has the following properties: name, employee ID, department, job title, and salary. Include a constructor and getter and setter methods for each property.

<https://codeshare.io/mpbYXo>

OUTPUT:

```
Problems Declaration Console x
<terminated> Employee [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 11:40:30 pm – 11:45:49 pm) [pid: 29376]
Enter employee name: Priya
Enter employee ID: 101
Enter employee department: VE
Enter employee job title: HR
Enter employee salary: 700000

Name: Priya
Employee ID: 101
Department: VE
Job Title: HR
Salary: 700000.0
```

10. Create a class called "Address" that has the following properties: street, city, state, zip code, and country. Include a constructor and getter and setter methods for each property.

<https://codeshare.io/1Y83MB>

OUTPUT:

```
Problems Declaration Console x
<terminated> Address [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 11:57:48 pm – 11:58:39 pm) [pid: 6112]
My address is:
1st Main 2nd St
Mysore, Karnataka 570000
India

Enter your new street address:
5th main 7th cross
Enter your new city:
Chennai
Enter your new state:
Tamil Nadu
Enter your new zip code:
590000
Enter your new country:
India

Your updated address is:
5th main 7th cross
Chennai, Tamil Nadu 590000
India
```