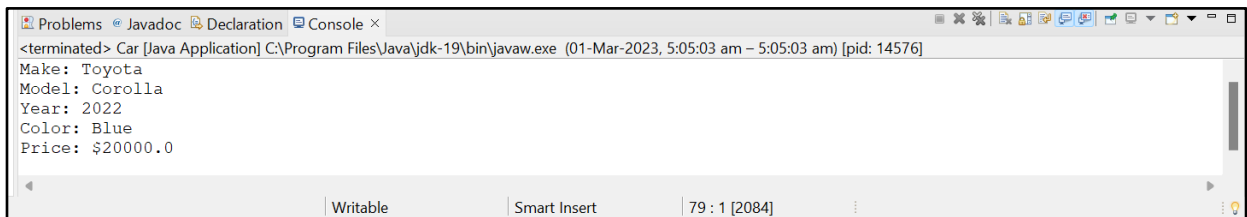


Java Assignment – 02

Topic: Object-Oriented Programming (OOP) Concepts

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

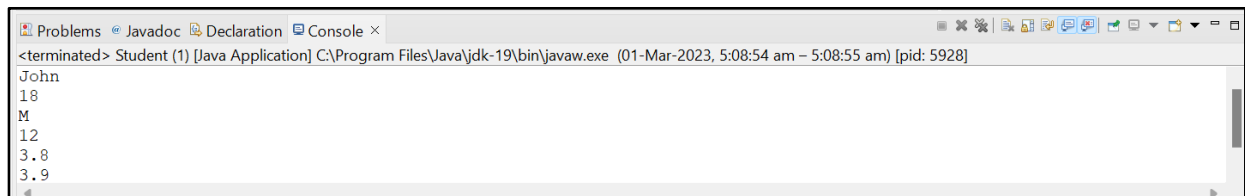
<https://codeshare.io/j0dYQK>



```
Problems Javadoc Declaration Console x
<terminated> Car [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 5:05:03 am – 5:05:03 am) [pid: 14576]
Make: Toyota
Model: Corolla
Year: 2022
Color: Blue
Price: $20000.0
Writable Smart Insert 79 : 1 [2084]
```

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.

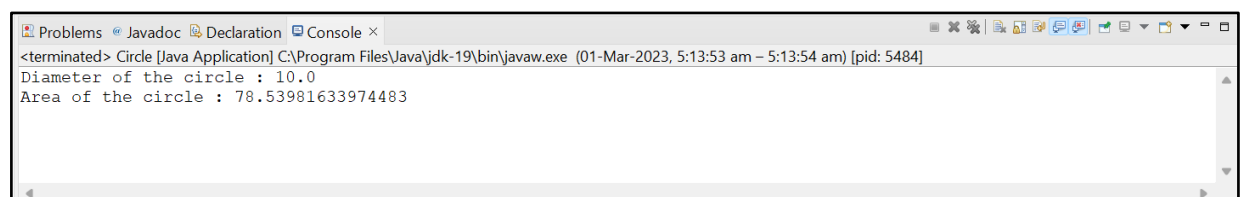
<https://codeshare.io/N3pQ8I>



```
Problems Javadoc Declaration Console x
<terminated> Student (1) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 5:08:54 am – 5:08:55 am) [pid: 5928]
John
18
M
12
3.8
3.9
```

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.

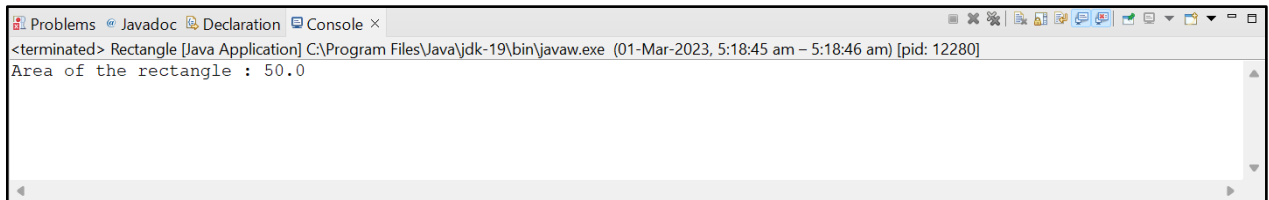
<https://codeshare.io/xv4nKk>



```
Problems Javadoc Declaration Console x
<terminated> Circle [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 5:13:53 am – 5:13:54 am) [pid: 5484]
Diameter of the circle : 10.0
Area of the circle : 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.

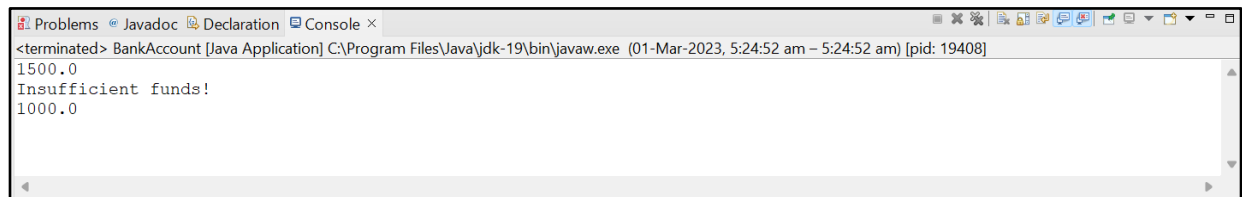
<https://codeshare.io/BA7lJn>



```
Problems Javadoc Declaration Console x
<terminated> Rectangle [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 5:18:45 am – 5:18:46 am) [pid: 12280]
Area of the rectangle : 50.0
```

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.

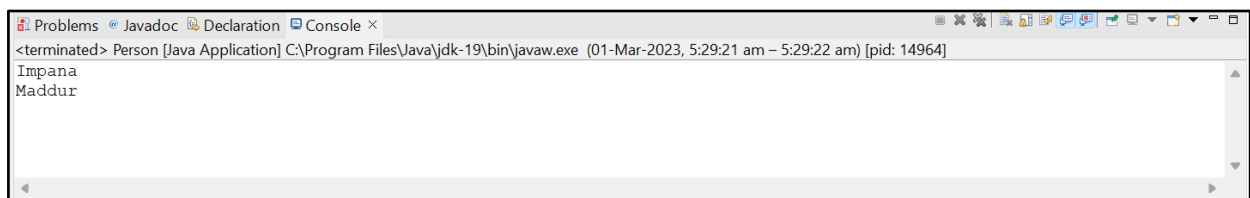
<https://codeshare.io/JbMJek>



```
Problems Javadoc Declaration Console x
<terminated> BankAccount [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 5:24:52 am – 5:24:52 am) [pid: 19408]
1500.0
Insufficient funds!
1000.0
```

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.

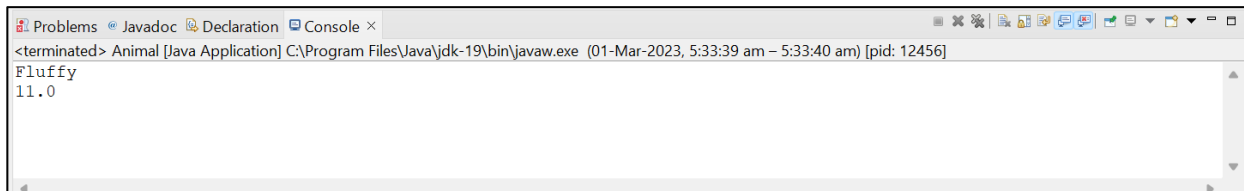
<https://codeshare.io/QnE93L>



```
Problems Javadoc Declaration Console x
<terminated> Person [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 5:29:21 am – 5:29:22 am) [pid: 14964]
Impana
Maddur
```

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.

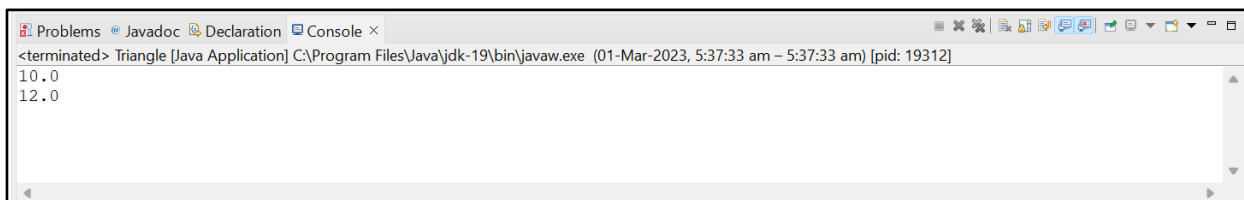
<https://codeshare.io/zyAoLO>



```
<terminated> Animal [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 5:33:39 am - 5:33:40 am) [pid: 12456]
Fluffy
11.0
```

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.

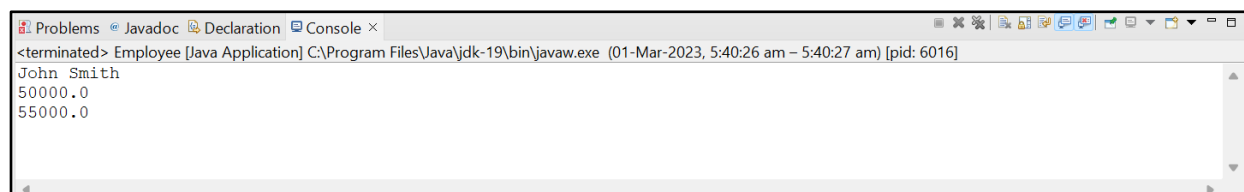
<https://codeshare.io/bvOqVA>



```
<terminated> Triangle [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 5:37:33 am - 5:37:33 am) [pid: 19312]
10.0
12.0
```

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.

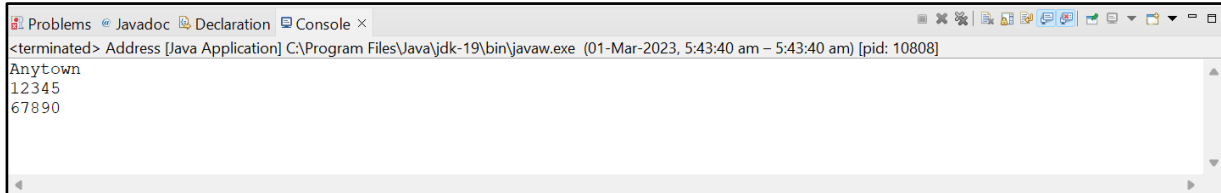
<https://codeshare.io/j0dYKL>



```
<terminated> Employee [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 5:40:26 am - 5:40:27 am) [pid: 6016]
John Smith
50000.0
55000.0
```

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/PdEwyw>



```
Problems Javadoc Declaration Console ×
<terminated> Address [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 5:43:40 am – 5:43:40 am) [pid: 10808]
Anytown
12345
67890
```