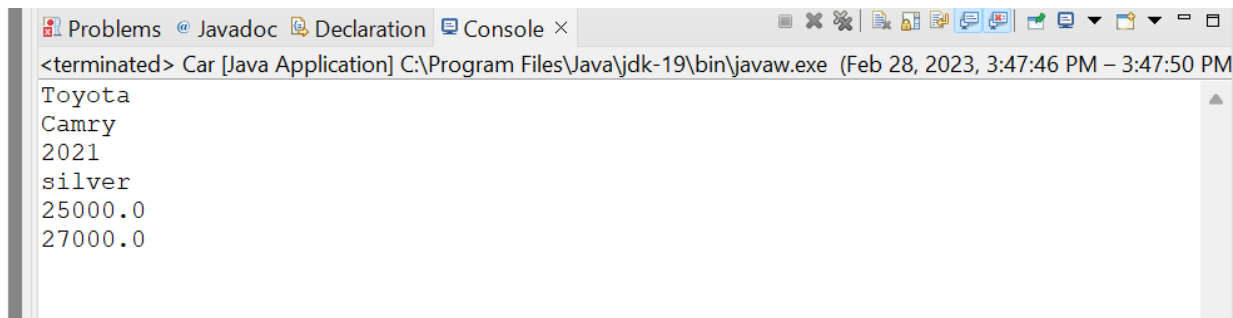


Assignment 2

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.

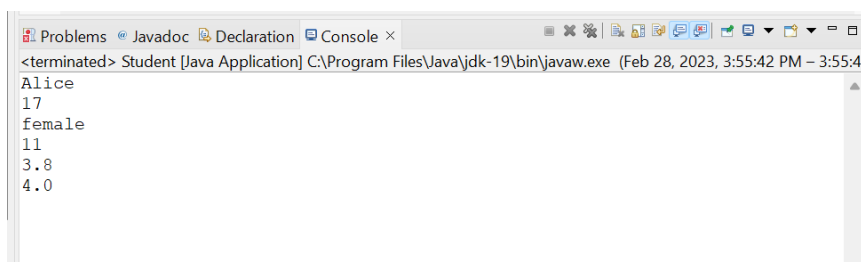
<https://codeshare.io/vwjmBn>



```
Problems Javadoc Declaration Console x
<terminated> Car [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 3:47:46 PM – 3:47:50 PM)
Toyota
Camry
2021
silver
25000.0
27000.0
```

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/78m9NL>

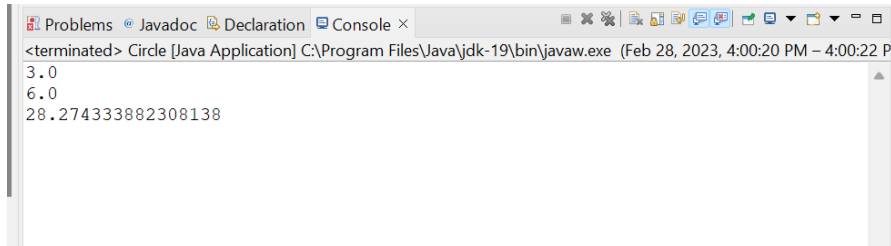


```
Problems Javadoc Declaration Console x
<terminated> Student [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 3:55:42 PM – 3:55:45 PM)
Alice
17
female
11
3.8
4.0
```

- setGpa(double) : void
- main(String[]) : void

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.

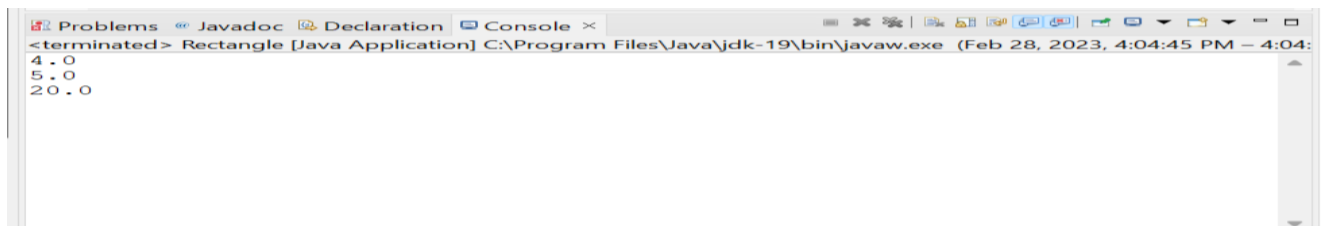
<https://codeshare.io/N3pJz9>



```
Problems Javadoc Declaration Console x
<terminated> Circle [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 4:00:20 PM - 4:00:22 P
3.0
6.0
28.274333882308138
```

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.

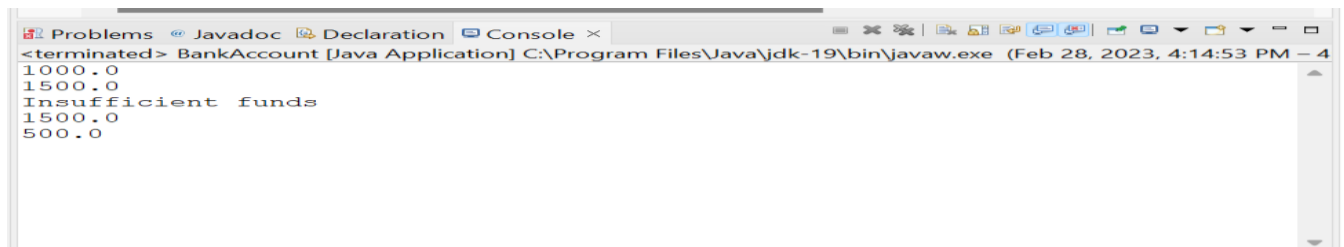
<https://codeshare.io/LwEbde>



```
Problems Javadoc Declaration Console x
<terminated> Rectangle [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 4:04:45 PM - 4:04:
4.0
5.0
20.0
```

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/dwQNXg>



```
Problems Javadoc Declaration Console x
<terminated> BankAccount [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 4:14:53 PM - 4
1000.0
1500.0
Insufficient funds
1500.0
500.0
```

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.

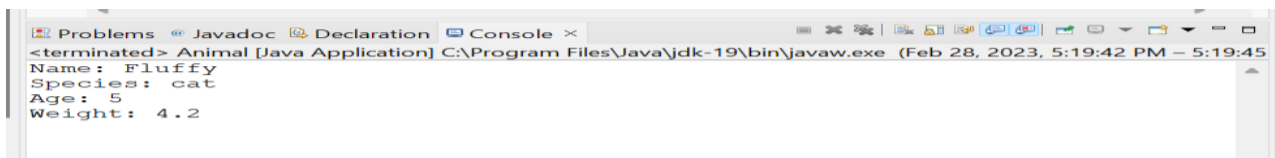
<https://codeshare.io/EBEwrrw>



```
<terminated> Person [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 4:23:53 PM - 4:23:56)
John Doe
456 Oak St
35
```

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.

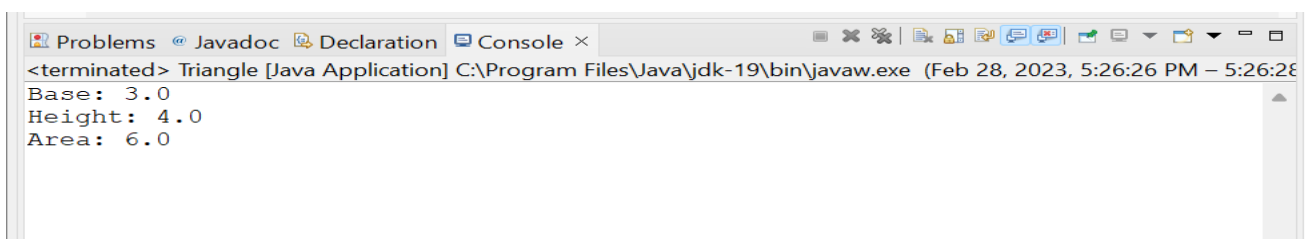
<https://codeshare.io/3AbqDB>



```
<terminated> Animal [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 5:19:42 PM - 5:19:45)
Name: Fluffy
Species: cat
Age: 5
Weight: 4.2
```

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.

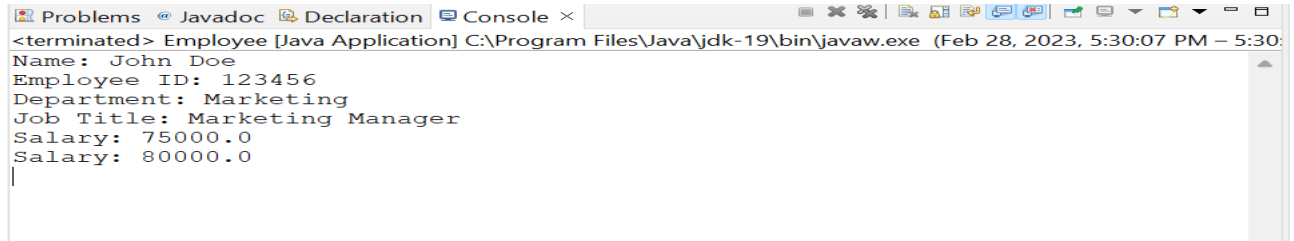
<https://codeshare.io/bvORQA>



```
<terminated> Triangle [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 5:26:26 PM - 5:26:28)
Base: 3.0
Height: 4.0
Area: 6.0
```

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.

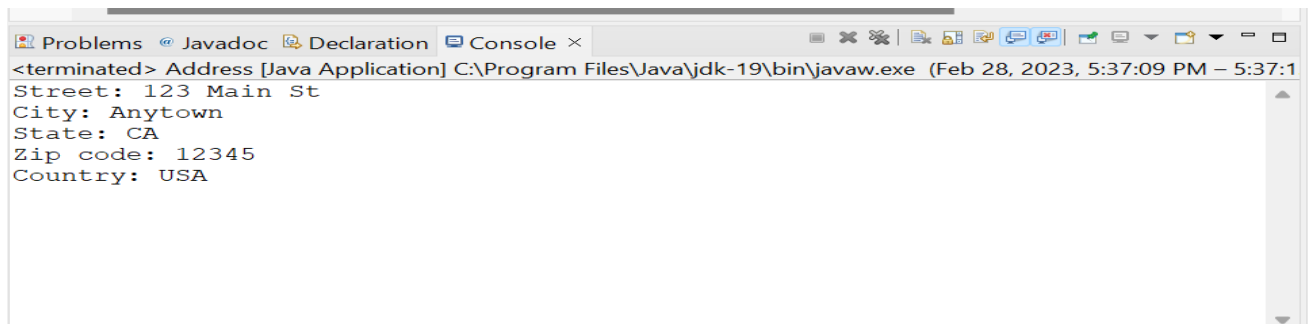
<https://codeshare.io/xv4Y7M>

A screenshot of a Java IDE's console window. The title bar shows 'Problems', 'Javadoc', 'Declaration', and 'Console'. The console text reads: '<terminated> Employee [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 5:30:07 PM - 5:30:07 PM)'. Below this, the output is: 'Name: John Doe', 'Employee ID: 123456', 'Department: Marketing', 'Job Title: Marketing Manager', 'Salary: 75000.0', and 'Salary: 80000.0'. There is a vertical scrollbar on the right side of the console.

```
<terminated> Employee [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 5:30:07 PM - 5:30:07 PM)
Name: John Doe
Employee ID: 123456
Department: Marketing
Job Title: Marketing Manager
Salary: 75000.0
Salary: 80000.0
```

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/6pkLdO>

A screenshot of a Java IDE's console window. The title bar shows 'Problems', 'Javadoc', 'Declaration', and 'Console'. The console text reads: '<terminated> Address [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 5:37:09 PM - 5:37:10 PM)'. Below this, the output is: 'Street: 123 Main St', 'City: Anytown', 'State: CA', 'Zip code: 12345', and 'Country: USA'. There is a vertical scrollbar on the right side of the console.

```
<terminated> Address [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Feb 28, 2023, 5:37:09 PM - 5:37:10 PM)
Street: 123 Main St
City: Anytown
State: CA
Zip code: 12345
Country: USA
```