

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/VZE6bR>

```
<terminated> car [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse
Make: Honda
Model: Civic
Year: 2021
Color: Silver
Price: $25000.0
```

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/MNEpQQ>

```
<terminated> q2 (3) [Java Application] C:\Users\shettma\p2\pc
manasvi
10
```

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/nzopqY>

```
<terminated> q3 (3) [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.justj.openjdk.hotst
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/oQ38rL>

```
<terminated> rect [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full\jre\bin\java.exe
Area of Rectangle is : 1200
```

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/3Ab6O1>

```
<terminated> BankAccount [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full\jre\bin\java.exe
Account Number: 123456789
Account Holder Name: John Smith
Account Type: Checking
Account Balance: $1000.0
Account Balance after deposit: $1500.0
Account Balance after withdrawal: $1300.0
```

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/LwEV16>

```
<terminated> Person [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full\jre\bin\java.exe
Name: John Smith
Age: 30
Address: 123 Main St
Phone Number: 555-1234
Email Address: john.smith@example.com
Name: Manasvi F Shetty
Age: 21
Address: Mysore
Phone Number: 555-5678
Email Address: sdf@gmail.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/yo0ygw>

```

<terminated> Animals [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.j
Name: Lion
Species: Panthera leo
Age: 5
Weight: 150.0
Name: Tiger
Species: Panthera tigris
Age: 7
Weight: 200.0

```

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/N3pVDJ>

```

<terminated> Triangle [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.justj.o
Base: 10.0
Height: 5.0
Area: 25.0
Base: 7.0
Height: 3.0
Area: 10.5

```

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/4eowz4>

```

<terminated> Employee [Java Application] C:\Users\shettma\p2\pool\plugins\org.edi
Name: Halika
Employee ID: 1234
Department: Engineering
Job Title: Software Engineer
Salary: 75000.0
Name: Halika
Employee ID: 1234
Department: Engineering
Job Title: Senior Software Engineer
Salary: 85000.0

```

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

<https://codeshare.io/4eowz4>

```

<terminated> Address [Java Application] C:\Users\shettma\p2\pool
My address is:
Street: 123 Main St
City: Anytown
State: CA
Zip Code: 12345
Country: USA

```