Java Assignment-2

Topic:Object-Oriented Programming (OOP) Concepts

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.

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eclipse-workspace - arrignment2 0/src/com/tecnotree/arrignment2 0/Car.java - Eclipse IDE
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               ■ JRE System Library [JavaSI 49 50e
                                                                                                                public double getPrice() {
   return price;
                            Address.java
                                                                                                                 public void setPrice(double price) {
   this.price = price;
                              Animal.iava
                             ② araylistjava 55
36
3 BankAccountjava 57
                                                                                                                    public static void main(String[] args) {
   Car car = new Car("Toyota", "Fortuner", 2020, "White", 25000.0);
                              2 CollectionsDemo.ja 59
2 Employee.java
                                                                                                                 System.out.println("Car make: " + car.getMake());
System.out.println("Car model: " + car.getModel());
System.out.println("Car cyear: " + car.getVear());
System.out.println("Car color: " + car.getColor());
System.out.println("Car cyear price: $" + car.getPrice());
                            Person.java

    Rectangle.java
    Triangle.java

                                                                                                               car.setPrice(22000.0);
System.out.println("Updated car price: $" + car.getPrice());
}
      arrignment2_0
      Problems Javadoc Declaration Console ×
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Car make: Toyota

Car model: Fortuner

Car year: 2020

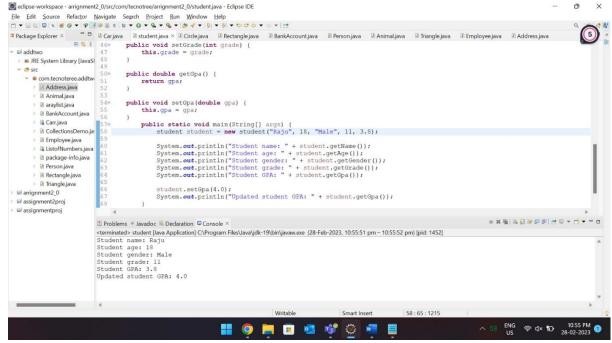
Car color: White

Car price: $25000.0

Updated car price: $22000.0
```

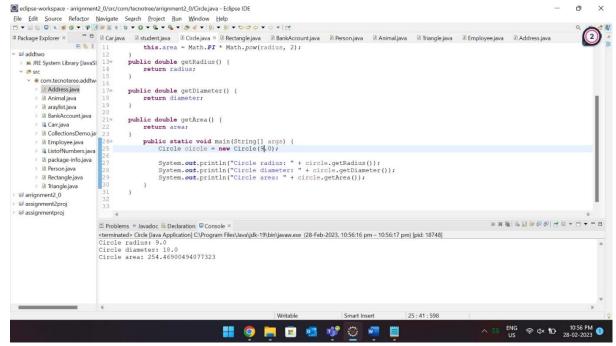
CODESHARE LINK: https://codeshare.io/lonJAY

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.



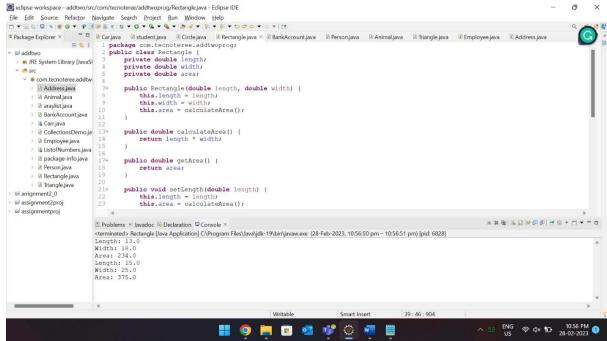
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3.Create a class called "Circle" that has the following properties: radius, diameter, and area. Include a constructor and methods to calculate the diameter and area of the circle.



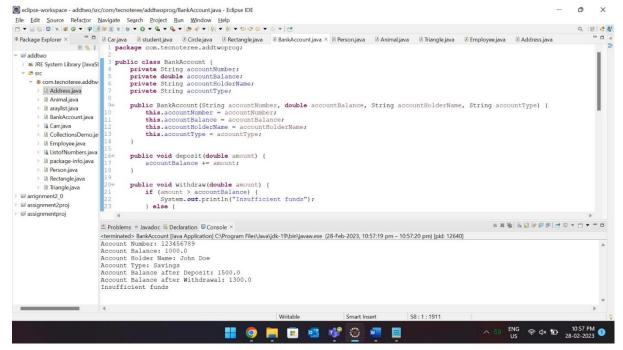
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4.Create a class called "Rectangle" that has the following properties: length, width, and area. Include a constructor and a method to calculate the area of the rectangle.

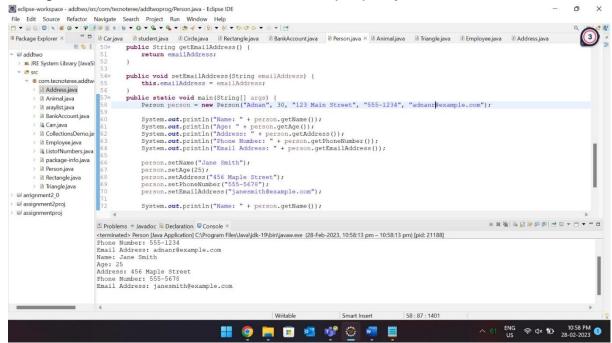


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5.Create a class called "BankAccount" that has the following properties: account number, account balance, account holder name, and account type. Include a constructor and methods to deposit and withdraw money from the account.

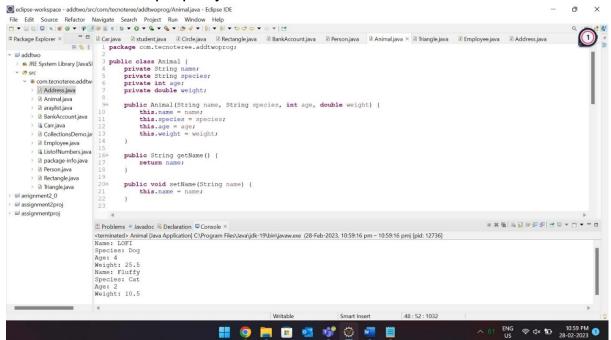


6.Create a class called "Person" that has the following properties: name, age, address, phone number, and email address. Include a constructor and getter and setter methods for each property.

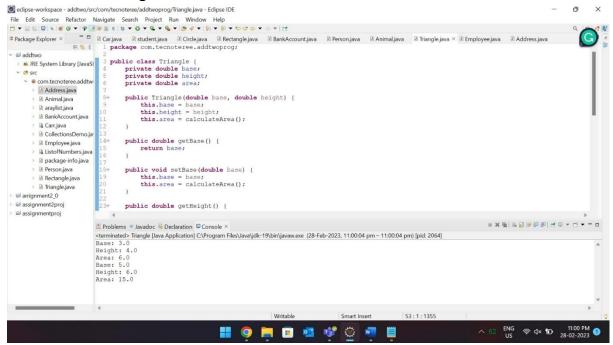


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7.Create a class called "Animal" that has the following properties: name, species, age, and weight. Include a constructor and getter and setter methods for each property.

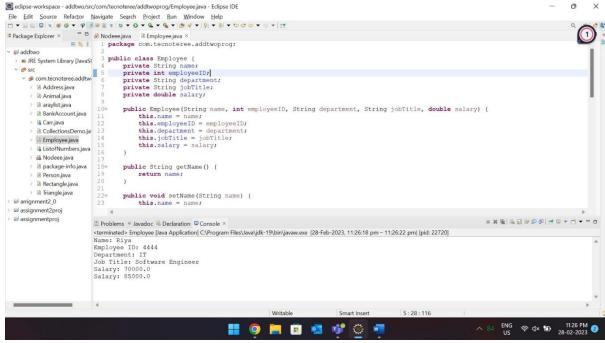


8.Create a class called "Triangle" that has the following properties: base, height, and area. Include a constructor and a method to calculate the area of the triangle.



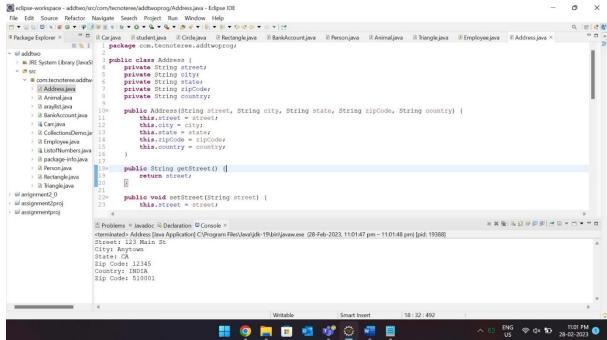
CODESHARE LINK: https://codeshare.io/YLE3BL

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.



CODESHARE LINK: https://codeshare.io/OdE6AW

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.



CODESHARE LINK: https://codeshare.io/6pkoXY