Quiz-1

Object Oriented Programming

CSE221

Section:65_1

1.	Explain the concept of classes and objects in Object-Oriented Programming (OOP). How do relate to each other, and why are they fundamental to OOP? Provide examples to illustrate	they e your
	explanation.	4
2.	Find out area of rectangle, triangle, and circle (Take values from user)	4
	Create a Product class with the following properties and methods:	7

- productName → Stores the name of the product.
- price -> Stores the price of the product.
 - stockQuantity → Stores the available stock of the product.
 - purchaseProduct(int quantity):
 - o If the requested quantity is available, reduce the stock and display the total price.
 - o If not, display "Insufficient stock available".
 - displayProductDetails(): Displays the product name, price, and available stock.
 - 1. Create two Product objects with user input.
 - 2. Display product details.
 - 3. Allow the user to purchase a product (taking quantity input).
 - 4. Show the final updated product details after purchase.