1.Write a program to print the area of a rectangle by creating a class named 'Area' having  
two methods. First method named as 'setDim' takes length and breadth of rectangle as  
parameters and the second method named as 'getArea' returns the area of the rectangle.  
Length and breadth of rectangle are entered through keyboard.  
2.Create a class named 'Student' with String variable 'name' and integer variable 'roll\_no'.  
Assign the value of roll\_no as '2' and that of name as "John" by creating an object of the  
class Student.  
  
3.Assign and print the roll number, phone number and address of two students having  
names "Sam" and "John" respectively by creating two objects of class 'Student'.  
4. Write a program to print the area and perimeter of a triangle having sides of 3, 4 and 5  
units by creating a class named 'Triangle' .  
  
5.Write a program to print the area of a rectangle by creating a class named 'Area' taking the  
values of its length and breadth as parameters and having a method named 'returnArea'  
which returns the area of the rectangle. Length and breadth of rectangle are entered through  
keyboard.

6.Print the average of three numbers entered by user by creating a class named 'Average'

having a method to calculate and print the average.

7.Print the sum, difference and product of two complex numbers by creating a class named

'Complex' with separate methods for each operation whose real and imaginary parts are

entered by user.

8.Write a program that would print the information (name, year of joining, salary, address) of

three employees by creating a class named 'Employee'. The output should be as follows:

Name Year of joining Address

Robert 1994 64C- WallsStreat

Sam 2000 68D- WallsStreat

John 1999 26B- WallsStreat

Java Program for Shopping Bill

to create Java programs for shopping bills. For generating the shopping bill, we

require the product ID, name, quantity, price per item, and total price of the product,

and grand total. Besides the product details, we can also add some other details like

date of purchase, discount (if any), SGST, CGST, POS name, address, contact details,

bill number, etc.

In the following Java program, we have created two classes first is the Product class

and the second is the ShoppingBill class.

The Product class has the details related to the product such as product name,

quantity, price per unit, and total price. We have declared these properties as private.

In order to create an object of the Product class, we have created a method of the

Product class and, we will put all the product properties in that method. The class

also has a method displayFormat() that displays the bill on the console.

The ShoppingBill class reads the item name, quantity, price per unit and calculates

the total price to be paid. Also, reads a character 'Y' or 'N' after entering the detail of

a product. If you want to enter more than one product, press 'Y' after entering the

details of each product, else press 'N'. It shows the total price to pay.

