

JAVA ASSIGNMENT QUESTIONS: -

1. Write a Java program to calculate the area of a rectangle. The program should take the length and width of the rectangle as inputs from the user and output the calculated area.
2. Write a Java program to calculate the sum of the first 50 even numbers.
3. Write a Java program to create a class called "Student" that contains the following information: name, roll number, age, and marks in three subjects. The program should read the information of five students and display the average marks of each student.
4. Write a Java program to create a class called "Employee" that contains the following information: name, employee ID, salary, and designation. The program should read the information of five employees and display the designation and salary of the employee with the highest salary.
5. Write a Java program to create a class called "Circle" that contains the following information: radius and area. The program should read the radius of five circles and display the area of each circle.
6. Write a Java program to create a class called "BankAccount" that contains the following information: account number, account holder name, balance, and interest rate. The program should read the information of five bank accounts and display the balance of each account after one year, considering the interest rate of 5%.
7. Write a Java program to create a class called "Car" that contains the following information: make, model, year, and price. The program should read the information of five cars and display the make and model of the car with the lowest price.

8. Write a Java program to create a class called "Product" that contains the following information: product ID, product name, quantity, and price. The program should read the information of five products and display the product name and total cost of the products, considering a discount of 10% on the total cost if the total cost is above \$500.