Question 1: Write a Program to find the Area of a Rectangle.

Question 2: Write a Program to find Perimeter of a Rectangle

Question 3: Write a Program to find Area of a Circle

Question 4: Write a Program to find Circumference of a Circle

Question 5: Write a Program to find Area of a Triangle

Question 6: Write a Program to find Simple Interest

Question 7: Write a Program to find Celsius to Fahrenheit Conversion

Question 8: Write a Program to find Fahrenheit to Celsius Conversion

Question 9: Write a Program to find Volume of a Cube

Question 10: Write a Program to find Volume of a Sphere

Question 11: Write a Program to find Average of Three Numbers

Question 12: Write a Program to find Speed, Distance, Time

Question 13: Write a Program to find Kinetic Energy

Question 14: Write a Program to find Potential Energy

Question 15: Write a Program to find Volume of a Cylinder

Question 16: Write a Program to find Total Surface Area of a Cube

Question 17: Write a Program to find Area of a Trapezoid

Question 18: Write a Program to find Pythagorean Theorem (Hypotenuse)

Question 19: Write a Program to find Electrical Power

Question 20: Write a C program to find the greater between three nos without using any conditional operator and conditional statement.

Question 21: Write a C program to accept two integers and check whether they are equal or not.

Question 22: Write a C program to find the eligibility of admission for a professional course based on the following criteria

Question 23 Write a program to print the Electricity bill of a given customer

Question 24 .program to check whether a triangle can be formed by the given value for the angles.

Question 25 Program in C to read any Month Number in integer and display the number of days for this month

Question 26. Program in C to read any Month Number in integer and display the number of days for this month

Question 31. Write a C program to accept the height of a person in centimeter and categorize the person according to their height.

Question 32. Write a C program to find the largest of three numbers

Question 33. Write a C program to accept a coordinate point in a XY coordinate system and determine in which quadrant the coordinate point lies

Question 34. Write a program to find the Roots of qudratic equation .

Question 35. Write Program Simple calculator using `switch case`

Question 36. Problem: Simulate a very basic ATM. Assume a fixed initial balance of 1000.00. Ask the user if they want to 'D' (Deposit) or 'W' (Withdraw).
- **If 'D', ask for the deposit amount and add it to the balance.**
- **If 'W', ask for the withdrawal amount. Check if the withdrawal amount is less than or equal to the balance. If yes, proceed with withdrawal; otherwise, print "Insufficient balance."**
- **For any other input, print "Invalid choice."**
- **After the transaction (or error), always print the current balance.**

Question 37 : Create a simple menu for a program that calculates the area of different shapes. The menu should offer:

1. **Calculate Area of Circle**
2. **Calculate Area of Rectangle**
3. **Exit Ask the user for their choice. Based on the choice, prompt for necessary dimensions and calculate the area. Use a `switch` statement for m**enu handling. Assume **pi=3.14159.**

Question 38 : A store offers discounts based on the total purchase amount and whether the customer is a premium member.

- **Premium Member:**
  - **Purchase ge1000: 15% discount**
  - **Purchase $\\< 1000$: 10% discount**
- **Regular Customer:**

- **Purchase ge1000: 5% discount .**

- **Purchase $\< 1000$: No discount**

Write a C program that takes the purchase amount and a character indicating membership status ('P' for Premium, 'R' for Regular) as input. Calculate and print the final payable amount after applying the discount.

Question 39 : Write a program Check a Loan Eligibilty in c .

Question 40 : Write a program Triangleis isoclese ,scalene, or equiletral .