1. Write a program that takes an integer N and then takes N integers as input, calculating and printing their average.

2. Write a program that calculates simple interest given principal, rate of interest, and time.

3. Write a program to check if a given year is a leap year. A year is a leap year if it is divisible by 4, but not by 100, unless it is also divisible by 400.

4. Write a program that takes three integers as input and determines the largest among them

5. Write a program that takes a positive integer and calculates the sum of its digits.

6. Write a program that reverses the digits of a given positive integer

7. Write a program that keep taking a character input depending on user choice and display the counts of the number of vowels and consonants

8. Write a program that converts temperature from Celsius to Fahrenheit or vice versa, based on user choice.

9. Write a program that calculates x raised to the power of y using a loop.

10. Write a simple game where the program randomly selects a number between 1 and 100, and the user has to guess it. Provide hints (too high or too low) until the user guesses correctly.