1. Write a program that checks whether a given number is positive or negative or zero.
2. Write a program that compares two numbers and prints the larger one.
3. Create a program that asks for the user's age and prints whether they are a child, teenager, or adult.
4. Write a program that checks if a given year is a leap year.
5. Create a program that takes two numbers as input and prints whether they are equal or different.
6. Write a program that checks if a given character is a vowel or a consonant.
7. Create a program that calculates the total price of items in a shopping cart. Apply a 10% discount if the total exceeds $100.
8. Write a program that checks if a given number is prime.
9. Create a program that calculates the BMI (Body Mass Index) based on the user's weight and height, and then categorizes it as underweight, normal weight, overweight, or obese.
10. Build a program that reads a number from the user and identifies which range it falls into: 1-10, 11-20, 21-30, or above 30.
11. Write a program that calculates the final price of an item after applying a discount. The discount depends on the item's original price: 10% for prices below $50, and 20% for prices $50 and above.
12. Write a program that calculates the BMI based on weight and height inputs, and then categorizes the BMI as "Underweight," "Normal," "Overweight," or "Obese."
13. Develop a program that checks the validity of a password. If the password is at least 8 characters long and contains both letters and numbers, it's considered valid; otherwise, it's not.
14. Create a program that asks the user to input a month (1-12) and then determines and displays the corresponding season: "Winter," "Spring," "Summer," or "Fall."