1. Write a program that takes an integer input and checks whether it is even or odd.

2. Create a program that takes a number and prints whether it is positive, negative, or zero.

3. Write a program that takes a score (0-100) as input and prints the corresponding grade (A, B, C, D, F).

4. Extend the previous program to assign letter grades based on ranges (A: 90-100, B: 80-89, C: 70-79, D: 60-69, F: below 60).

5. Create a program that calculates a final grade based on weighted components (e.g., assignments 40%, midterm 30%, final 30%).

6. Write a program that determines if a student has passed or failed based on an average score of at least 60.

7. Write a program that counts down from 10 to 0 and prints "Blast Off!" after reaching 0.

8. Create a program that sums all natural numbers from 1 to a given number using a while loop.

9. Write a program that prints the multiplication table of a number up to 10.

10. Create a program that checks if a number is between 10 and 20 (inclusive) and prints a message based on the result.

11. Write a simple login system that checks username and password using Boolean values.

12. Write a program that checks if a person is eligible to vote (age 18 or older) and also checks if they have registered.

13. Extend the letter grade program to classify students as "Excellent", "Good", "Average", and "Poor" based on their grades.

14. Write a program that checks if a given year is a leap year.

15. Create a simple calculator that performs addition, subtraction, multiplication, and division based on user input.

16. Write a program that generates Fibonacci numbers up to a specified number using a while loop.

17. Create a game where the user has to guess a randomly generated number between 1 and 100. Provide hints if the guess is too high or too low.

18. Write a program that calculates the Body Mass Index (BMI) and categorizes the result (Underweight, Normal, Overweight, Obese).

19. Create a program that calculates discounts based on purchase amount (e.g., 10% off for purchases over $100).

20. Write a program that takes grades as input and calculates the GPA on a scale of 4.0, displaying the corresponding letter grade.