1. Write a Python program to check whether a given number is positive, negative, or zero.   1

2. Write a Python program to check whether a given year is a leap year or not.

3. Write a Python program to check whether a given number is even or odd.

4. Write a Python program to check whether a given number is within the range of 1 to 100.

5. Write a Python program to find the maximum of two numbers entered by the user.

6. Write a Python program to check whether a person is eligible to vote, given their age.

7. Write a Python program to check whether a given number is divisible by both 3 and 5 **(Hint:Remainder as '0').**

8. Write a Python program to check whether the length of a given string is greater than 10.

9. Write a Python program to check whether a given number is positive and divisible by 3.

10. Write a Python program to check if a given character input is "b" and print "wow" else,print "Haan".

11. Write a Python program to check whether a given mark is greater than 35 (pass) or not (fail).

12.Weird or Not Weird:

Write a Python program to check whether a given number is "Weird" or "Not Weird" based on the following conditions:

If the number is even and in the range 3 to 5, print "Weird".

If the number is even and in the range 6 to 20, print "Not Weird".

If the number is even and greater than 20, print "Weird".

If the number is odd, print "Weird".

13. Scholarship Eligibility:

Write a Python program to check whether a person is eligible for a scholarship based on their income.

If the income is greater than 7000, print "Scholarship is available".

Otherwise, print "Scholarship is not available".

14. Divisibility Check:

Write a Python program to check whether a given number is divisible by both 3 and 5.

If divisible, print "It is divisible by both numbers".

Otherwise, print "It is not divisible by both numbers".

15. Write a Python program to check whether a given number is even or odd.

16. Student Category Based on Score (Code 5):

Write a Python program to categorize a student based on their score:

If the score is less than 35, print "Poor Student".

If the score is between 35 and 70, print "Average Student".

If the score is greater than 70, print "Good Student".

17. Simple Calculator (Code 6):

Write a Python program to perform addition, subtraction, multiplication, or division between two numbers based on the user's choice.

Take two numbers as input and ask the user to choose an operation (add/sub/mul/div).

Display the result of the chosen operation.

18. Eligibility for Admission :

Write a Python program to check eligibility for admission based on percentage:

If the percentage is greater than 70, print "You are eligible" and ask for the name, department, and location.

If not, print "You are not eligible".

19. Loan Eligibility:

Write a Python program to check whether a person is eligible for a loan based on their salary and age:

If the salary is greater than or equal to 20,000 or age is less than or equal to 25, ask for the required loan amount.

If the loan amount is less than or equal to 50,000, print "You are eligible for a loan".

Otherwise, print "Not eligible".