

1. Simple Calculator

- **Problem:** Write a function that takes two numbers and an operator (+, -, *, /) as input and returns the result. If an invalid operator is passed, return an error message.
- **Example Input:** (4, 2, "+")
- **Example Output:** 6

Maximum of Three Numbers

- **Problem:** Write a function that takes three numbers as input and returns the largest number.
- **Example Input:** (3, 7, 5)
- **Example Output:** 7

3. Number Comparison

- **Problem:** Write a function that takes two integers as input and returns "greater" if the first number is larger, "smaller" if it's smaller, and "equal" if they are the same.
- **Example Input:** (10, 20)
- **Example Output:** "smaller"

4. Even or Odd

- **Problem:** Write a function that checks if a given integer is even or odd and prints "Even" or "Odd".
- **Example Input:** 7
- **Example Output:** "Odd"

5. Grade Calculator

- **Problem:** Write a function that takes a student's score as input and prints the grade based on this scale:
 - 90+ : A
 - 80-89 : B
 - 70-79 : C
 - 60-69 : D
 - Below 60 : F
- **Example Input:** 85
- **Example Output:** "B"

6. Leap Year Checker

- **Problem:** Write a function that takes a year as input and checks if it's a leap year or not. A year is a leap year if it is divisible by 4 but not by 100, except for years divisible by 400.
- **Example Input:** 2000
- **Example Output:** "Leap Year"

7. Simple Discount Calculator

- **Problem:** Write a function that takes the original price of an item and a discount percentage. If the discount is more than 50%, print "Invalid Discount" else calculate and print the discounted price.
- **Example Input:** (100, 20)
- **Example Output:** 80

8. Vowel or Consonant

- **Problem:** Write a function that takes a single character as input and checks if it is a vowel (a, e, i, o, u) or a consonant. Print the result accordingly.
- **Example Input:** 'e'
- **Example Output:** "Vowel"

9. Check for Divisibility

- **Problem:** Write a function that takes a number as input and checks if it is divisible by both 5 and 3. Print "Divisible by both", "Divisible by 5 only", "Divisible by 3 only", or "Not divisible by either".
- **Example Input:** 15
- **Example Output:** "Divisible by both"

10. Temperature Converter

- **Problem:** Write a function that takes a temperature in Celsius and converts it to Fahrenheit, or vice versa based on a flag. Use the formulas:
 - Celsius to Fahrenheit: $F = C \times \frac{9}{5} + 32$
 - Fahrenheit to Celsius: $C = (F - 32) \times \frac{5}{9}$
- **Example Input:** (30, "CtoF")
- **Example Output:** 86