1. **CALCULATOR**

**Design a simple calculator with basic arithmetic operations. Prompt the user to input two numbers and an operation choice .Perform the calculation and display the result.**

def add(x, y):

return x + y

def subtract(x, y):

return x - y

def multiply(x, y):

return x \* y

def divide(x, y):

if y == 0:

return "Cannot divide by zero"

return x / y

def calculator():

print("Select operation:")

print("1. Add")

print("2. Subtract")

print("3. Multiply")

print("4. Divide")

choice = input("Enter choice (1/2/3/4): ")

num1 = float(input("Enter first number: "))

num2 = float(input("Enter second number: "))

if choice == '1':

print("Result:", add(num1, num2))

elif choice == '2':

print("Result:", subtract(num1, num2))

elif choice == '3':

print("Result:", multiply(num1, num2))

elif choice == '4':

print("Result:", divide(num1, num2))

else:

print("Invalid input")

calculator()