Task2

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.

Code:-

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 x / y

else:

return "Error! Division by zero."

# Main function to handle user input and perform calculations

def calculator():

print("Simple Calculator")

print("Select operation:")

print("1. Add")

print("2. Subtract")

print("3. Multiply")

print("4. Divide")

# Take input from the user

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

# Validate operation choice

if choice in ['1', '2', '3', '4']:

try:

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

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

except ValueError:

print("Invalid input! Please enter numbers only.")

return

# Perform the selected operation

if choice == '1':

result = add(num1, num2)

print(f"{num1} + {num2} = {result}")

elif choice == '2':

result = subtract(num1, num2)

print(f"{num1} - {num2} = {result}")

elif choice == '3':

result = multiply(num1, num2)

print(f"{num1} \* {num2} = {result}")

elif choice == '4':

result = divide(num1, num2)

print(f"{num1} / {num2} = {result}")

else:

print("Invalid choice! Please select a valid operation.")

# Run the calculator function

if \_name\_ == "\_main\_":

calculator()



