**TASK\_02- CALCULATOR**

# -\*- coding: utf-8 -\*-

"""

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"""

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 "Error! Division by zero."

return x / y

def pow(x,y):

return x\*\*y

def main():

print("Simple Calculator")

print("Select operation:")

print("1. Add")

print("2. Subtract")

print("3. Multiply")

print("4. Divide")

print("5. power")

while True:

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

if choice in ['1', '2', '3', '4','5']:

try:

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

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

except ValueError:

print("Invalid input! Please enter numeric values.")

continue

if choice == '1':

print(f"{num1} + {num2} = {add(num1, num2)}")

elif choice == '2':

print(f"{num1} - {num2} = {subtract(num1, num2)}")

elif choice == '3':

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

elif choice == '4':

print(f"{num1} / {num2} = {divide(num1, num2)}")

elif choice== '5':

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

next\_calculation = input("Do you want to perform another calculation? (yes/no): ")

if next\_calculation.lower() != 'yes':

break

else:

print("Invalid Input! Please enter a valid choice.")

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

main()