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1 # -----CALCULATOR-----
2 # Design a simple calculator with basic arithmetic operations.
3 # Prompt the user to input two numbers and an operation choice.
4 # Perform the calculation and display the result.
5
6 print('Welcome to the Calculator!')
7 print(30 * "-")
8
9 while True:
10     try:
11         First_number = int(input('Enter First Number: '))
12         Second_number = int(input('Enter Second Number: '))
13         print(30 * '-')
14         break # Exit the loop if the inputs are valid integers
15     except ValueError:
16         print('Please enter valid input numbers.')
17         print(30 * '-')
18
19
20 # Repeat until a valid operation is entered
21 while True:
22     try:
23         print('' Arithmetic Operations:
24         1. Addition
25         2. Subtraction
26         3. Multiplication
27         4. Division
28         '')
29         Operations = int(input('Enter the Operation number from above : '))
30         print(30 * '-')
31         if Operations in range(1,5): # Check if the operation is valid
32             break # Exit the loop if valid
33     except ValueError:
34         print(30 * '-')
35         print('Invalid operation number.')
36         print(30 * '-')
37
38
39 # Performing the calculation
40 if Operations == 1:
41     print(f'The Addition of {First_number} and {Second_number} is {First_number +
Second_number}')
42 elif Operations == 2:
43     print(f'The Subtraction of {First_number} and {Second_number} is {First_number -
Second_number}')
44 elif Operations == 3:
45     print(f'The Multiplication of {First_number} and {Second_number} is {First_number *
Second_number}')
46 else :
47     try:
48         print(f'The Division of {First_number} and {Second_number} is {First_number /
Second_number}')
49     except ZeroDivisionError: # Raises ZeroDivisionError
50         print('Division by zero is not defined.')

```