Allen_Super Calculator

June 2, 2020

[2]:
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# Super Calculator
# Can repeatedly perform calculations on 2 variables

print('Hello!') # welcoming to calculator
print()

# Define the Different operation functions
def add(firstNumber, secondNumber):
    answer = firstNumber + secondNumber
    print(firstNumber, "+", secondNumber, "=", answer)
    exit()
def sub(firstNumber, secondNumber):
    answer = firstNumber - secondNumber
    print(firstNumber, "-", secondNumber, "=", answer)
    exit()
def multi(firstNumber, secondNumber):
    answer = firstNumber * secondNumber
    print(firstNumber, '*', secondNumber, '=', answer)
    exit()
def div(firstNumber, secondNumber):
    answer = firstNumber / secondNumber
    print(firstNumber, '/', secondNumber, '=', answer)
    exit()
def exp(firstNumber, secondNumber):
    answer = firstNumber ** secondNumber
    print(firstNumber, '**', secondNumber, '=', answer)
    exit()

# Exit function / choose if you want to exit or no
def exit():
    print()
    print("Do you want to quit?")
    exitAnswer = input("Enter 'Yes' for yes, or 'No' for N:")

    if exitAnswer == "No" or exitAnswer == "no":
        main()
    elif exitAnswer == "Yes" or exitAnswer == "yes":
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        print()
        print("Ok, Goodbye!")
    else:
        exit()

# main function / choose operation, operation function will run / start program
# Enter your first and second number
def main():
    print('Enter your numbers:')
    firstNumber = float(input('First Number:'))
    secondNumber = float(input('Second Number:'))

    print('1 = add; 2 = subtract; 3 = multiply; 4 = divide; 5 = exponent')
    mathFunction = input('Enter the number next to your choice:')

    if mathFunction == "1":
        add(firstNumber, secondNumber)
    if mathFunction == "2":
        sub(firstNumber, secondNumber)
    if mathFunction == "3":
        multi(firstNumber, secondNumber)
    if mathFunction == "4":
        div(firstNumber, secondNumber)
    if mathFunction == "5":
        exp(firstNumber, secondNumber)

main()
```

```
Hello!

Enter your numbers:
First Number:2
Second Number:2
1 = add; 2 = subtract; 3 = multiply; 4 = divide; 5 = exponent
Enter the number next to your choice:1
2.0 + 2.0 = 4.0

Do you want to quit?
Enter 'Yes' for yes, or 'No' for N:no
Enter your numbers:
First Number:2
Second Number:2
1 = add; 2 = subtract; 3 = multiply; 4 = divide; 5 = exponent
Enter the number next to your choice:2
2.0 - 2.0 = 0.0

Do you want to quit?
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Enter 'Yes' for yes, or 'No' for N:no
Enter your numbers:
First Number:2
Second Number:2
1 = add; 2 = subtract; 3 = multiply; 4 = divide; 5 = exponent
Enter the number next to your choice:3
2.0 * 2.0 = 4.0

Do you want to quit?
Enter 'Yes' for yes, or 'No' for N:no
Enter your numbers:
First Number:2
Second Number:2
1 = add; 2 = subtract; 3 = multiply; 4 = divide; 5 = exponent
Enter the number next to your choice:4
2.0 / 2.0 = 1.0

Do you want to quit?
Enter 'Yes' for yes, or 'No' for N:no
Enter your numbers:
First Number:2
Second Number:2
1 = add; 2 = subtract; 3 = multiply; 4 = divide; 5 = exponent
Enter the number next to your choice:5
2.0 ** 2.0 = 4.0

Do you want to quit?
Enter 'Yes' for yes, or 'No' for N:yes

Ok, Goodbye!
```