

# Full basic calculator

Monday, December 13, 2021 3:18 PM

Using all what we have learnt prior we can test ourselves by coding a basic and simple calculator:

```
In [1]: print("Full basic calculator")
print("Select an arithmetic operator to perform:" , "\n1: Addition", "\n2: Subtraction",
"\n3: Multiplication", "\n4: Division")
operation = input()
if operation == "1":
    num1 = input("Please Enter first number: ")
    num2 = input("please Enter second number: ")
    sum1 = int(num1) + int(num2)
    print(f"The answer is: {num1} plus {num2} equals {sum1} ")
elif operation == "2":
    num1 = input("Please Enter first number: ")
    num2 = input("please Enter second number: ")
    sum2 = int(num1) - int(num2)
    print(f"The answer is: {num1} take {num2} equals {sum2} ")
elif operation == "3":
    num1 = input("Please Enter first number: ")
    num2 = input("please Enter second number: ")
    sum3 = int(num1) * int(num2)
    print(f"The answer is: {num1} times {num2} equals {sum3} ")
elif operation == "4":
    num1 = input("Please Enter first number: ")
    num2 = input("please Enter second number: ")
    sum4 = int(num1) // int(num2)
    print(f"The answer is: {num1} divided by {num2} equals {sum4} ")
else:
    print("Please enter either 1 - 4 for your choice")
```

```
Out[2]: Full basic calculator
Select an arithmetic operator to perform:
1: Addition
2: Subtraction
3: Multiplication
4: Division
```

```
In [2]: 1
In [2]: Please Enter first number: 3
In [2]: please Enter second number: 3
Out[2]: The answer is: 3 plus 3 equals 6
```

Here we use things such as f-strings, arithmetic, `if` and `elif` statements. The program asks for an input and based on that input it searches for the correct condition. Note that it asks for the number inputs as a string, hence why we need to convert it into an integer when performing with mathematical operation, otherwise the answer to the addition section for example will be both the strings input by the user.