

ASSIGNMENT1

November 6, 2020

1 PYTHON ASSIGNMENT

1.1 NAME:SHUBHAM TAKANKHAR

1.1.1 ROLL NO:54

1.2 Creating Calculator/ Quiz using basic python loops

```
[7]: print("ENTER Y to continue\n N to Exit")
choice=input()

while choice != 'N' or choice != 'n':
    print("enter value of first operand:")
    x=int(input())
    print("enter value of second operand:")
    y=int(input())
    print("enter operation to perform:")
    print("+ for Addition")
    print("- for Substraction")
    print("* for Multiplication")
    print("/ for Division")
    operation=input()

    if operation is '+':
        print("{} + {} = {}".format(x,y,x+y))
    elif operation is '-':
        print("{} - {} = {}".format(x,y,x-y))
    elif operation is '*':
        print("{} * {} = {}".format(x,y,x*y))
    elif operation is '/':
        print("{} / {} = {}".format(x,y,x/y))
    else:
        print("Enter Valid Operator")

    print("ENTER Y to continue\n N to Exit")
    choice=input()
```

ENTER Y to continue
N to Exit

```

enter value of first operand:
enter value of second operand:
enter operation to perform:
+ for Addition
- for Substraction
* for Multiplication
/ for Division
20 * 10 = 200
ENTER Y to continue
  N to Exit
enter value of first operand:
enter value of second operand:
enter operation to perform:
+ for Addition
- for Substraction
* for Multiplication
/ for Division
20 + 20 = 40
ENTER Y to continue
  N to Exit
enter value of first operand:

```

```

-----
ValueError                                Traceback (most recent call last)
<ipython-input-7-10d2da157a2e> in <module>
      4 while choice != 'N' or choice != 'n':
      5     print("enter value of first operand:")
----> 6     x=int(input())
      7     print("enter value of second operand:")
      8     y=int(input())

ValueError: invalid literal for int() with base 10: ''

```

1.3 Quiz using basic python loops

```

[21]: dicts = {'what is your name':'shubham','which class':'symca','ur roll-no':'54'}

dict2=list(dicts)
for i in range(len(dict2)):
    print(dict2[i])
    name=input()
    if name.lower() == dicts[dict2[i]]:
        print("Correct Answer")
    else:
        print("Correct Ans is {}".format(dicts[dict2[i]]))

```

what is your name

Correct Ans is shubham
which class
Correct Ans is symca
ur roll-no
Correct Ans is 54

1.4 Python Program for factorial of a number

```
[4]: num=int(input("Enter a Number:")) #5

def fact(n):
    if n > 1:
        return n * fact(n-1)
    else:
        return 1

print(fact(num))
```

120

```
[ ]:
```