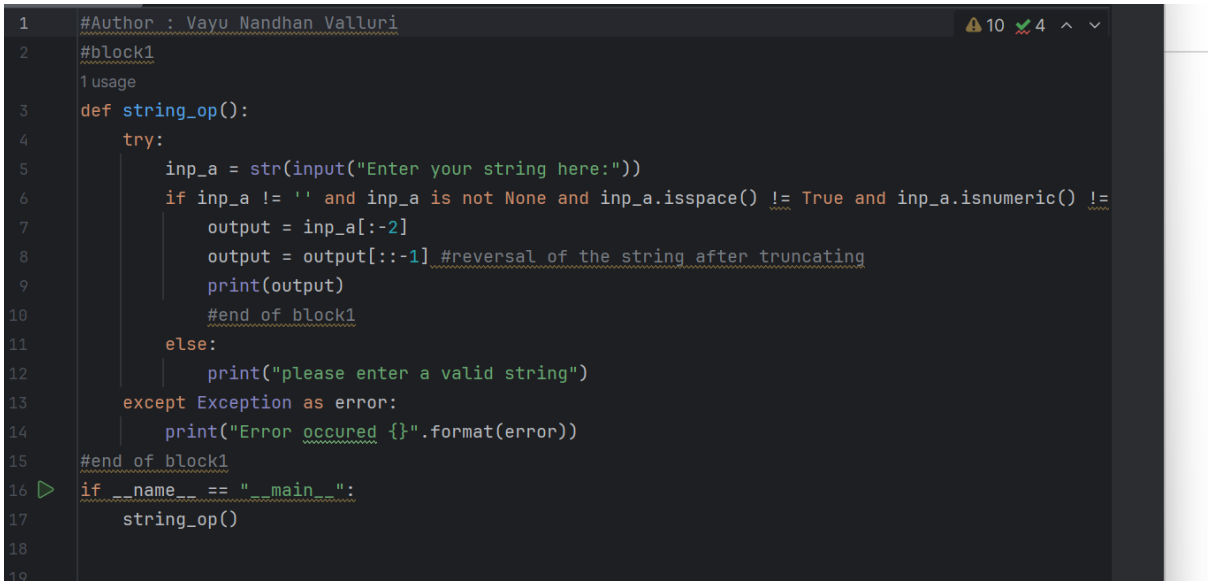
ASSIGNMENT-1

Github link : https://github.com/vvnandhan/ICP-1/tree/main

ASSIGNMENT SCREENSHOTS:

Program1:



```python
#Author : Vayu Nandhan Valluri
#block1
1 usage
def string_op():
    try:
        inp_a = str(input("Enter your string here:"))
        if inp_a != '' and inp_a is not None and inp_a.isspace() != True and inp_a.isnumeric() !=
            output = inp_a[:-2]
            output = output[::-1] #reversal of the string after truncating
            print(output)
            #end of block1
        else:
            print("please enter a valid string")
    except Exception as error:
        print("Error occured {}".format(error))
#end of block1
if __name__ == "__main__":
    string_op()
```

Output:

```
C:\Users\vvnan\AppData\Local\Programs\Python\Python36\python.exe C:\Users\vvnan\OneDrive\Desktop\Neural\ICP_NNDL_1\icp1.1.py
Enter your string here:python
htyp

Process finished with exit code 0
```

Program2:

```python
#Author : Vayu Nandhan Valluri
#Block3
1 usage
def str_op():
    try:
        input_str = input("Enter your sentence here:")
        if input_str != '' and input_str is not None and input_str.isspace() != True and input_st
            input_str = input_str.replace( __old: 'python', __new: 'pythons')
            print(input_str)
        else:
            print("please enter a valid sentence")
    except Exception as error:
        print("Error occured {}".format(error))
#end of block3
if __name__ == "__main__":
    str_op()
```

Output:

```
C:\Users\vvnan\AppData\Local\Programs\Python\Python36\python.exe C:\Users\vvnan\OneDrive\Desktop\Neural\ICP_NNDL_1\icp1.2.py
Enter your sentence here:I love python
I love pythons

Process finished with exit code 0
```

Program3:

```python
#Author : Vayu Nandhan Valluri
#block4
1 usage
def grading():
    try:
        try:
            class_score = int(input("Enter your score here:"))
        except ValueError:
            print ("Please enter only number not strings")
            return None
        if class_score != '' and class_score is not None:
            if class_score > 100 or class_score < 0:
                print("Score not in range please enter a valid score")
            else:
                if class_score >= 90 and class_score <= 100: #Grade A score range
                    print("A")
                elif class_score >= 80 and class_score <= 89: #Grade B score range
                    print("B")
                elif class_score >= 70 and class_score <= 79: #Grade C score range
                    print("c")
                elif class_score >= 60 and class_score <= 69: #Grade D score range
                    print("D")
                else:
                    print("F") #Grade F score range

        else:
            print("please enter a valid number")
    except Exception as error:
        print("Error occured {}".format(error))
#end of block4
if __name__ == "__main__":
    grading()
```

Output:

```
C:\Users\vvnan\AppData\Local\Programs\Python\Python36\python.exe C:\Users\vvnan\OneDrive\Desktop\Neural\ICP_NNDL_1\icp1.3.py
Enter your score here:95
A

Process finished with exit code 0
```