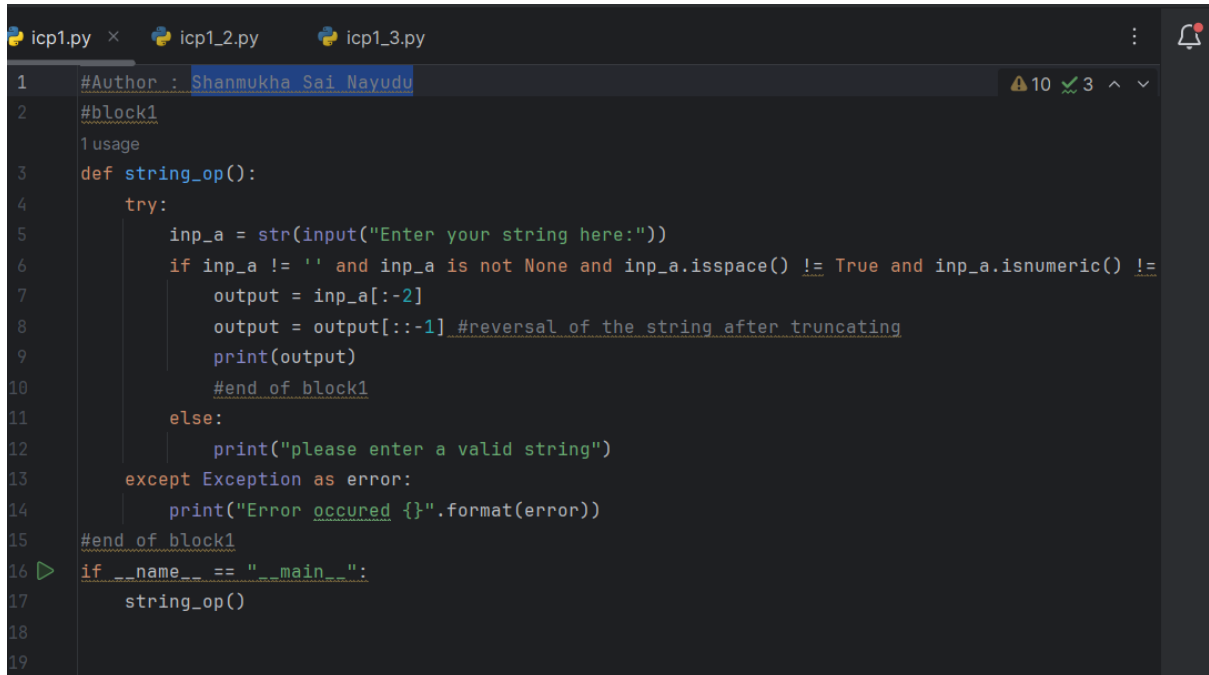


# ASSIGNMENT-1

GITHUB LINK: [https://github.com/Shanu1405/ICP\\_1/tree/main](https://github.com/Shanu1405/ICP_1/tree/main)

VIDEO LINK: [https://github.com/Shanu1405/ICP\\_1/assets/156735247/b3daf4eb-ce7e-4809-9d70-59781c4e2a47](https://github.com/Shanu1405/ICP_1/assets/156735247/b3daf4eb-ce7e-4809-9d70-59781c4e2a47)

Program-1:



```
1 #Author : Shanmukha Sai Nayudu
2 #block1
3 usage
4 def string_op():
5     try:
6         inp_a = str(input("Enter your string here:"))
7         if inp_a != '' and inp_a is not None and inp_a.isspace() != True and inp_a.isnumeric() != True:
8             output = inp_a[::-1]
9             output = output[::-1] #reversal of the string after truncating
10            print(output)
11            #end of block1
12        else:
13            print("please enter a valid string")
14    except Exception as error:
15        print("Error occurred {}".format(error))
16 #end of block1
17 if __name__ == "__main__":
18     string_op()
19
```

Output:



```
C:\Users\gopal\AppData\Local\Programs\Python\Python312\python.exe C:
Enter your string here:Python
htyP

Process finished with exit code 0
```

## Program2:

```
1  #Author : Shanmukha Sai Nayudu
2  #block3
3  1 usage
4  def str_op():
5      try:
6          input_str = input("Enter your sentence here:")
7          if input_str != '' and input_str is not None and input_str.isspace() != True and input_str:
8              input_str = input_str.replace(__old: 'python', __new: 'pythons')
9              print(input_str)
10         else:
11             print("please enter a valid sentence")
12     except Exception as error:
13         print("Error occurred {}".format(error))
14 #end of block3
15 if __name__ == "__main__":
16     str_op()
```

## Output:

```
C:\Users\gopal\AppData\Local\Programs\Python\Python312\python.exe C
Enter your sentence here:I love python
I love pythons

Process finished with exit code 0
|
```

### Program3:

```
1 #Author : Shanmukha Sai Nayudu
2 #lock4
3 usage
4 def grading():
5     try:
6         try:
7             class_score = int(input("Enter your score here:"))
8         except ValueError:
9             print("Please enter only number not strings")
10            return None
11        if class_score != '' and class_score is not None:
12            if class_score > 100 or class_score < 0:
13                print("Score not in range please enter a valid score")
14            else:
15                if class_score >= 90 and class_score <= 100: #Grade A score range
16                    print("A")
17                elif class_score >= 80 and class_score <= 89: #Grade B score range
18                    print("B")
19                elif class_score >= 70 and class_score <= 79: #Grade C score range
20                    print("C")
21                elif class_score >= 60 and class_score <= 69: #Grade D score range
22                    print("D")
23                else:
24                    print("F") #Grade F score range
25            else:
26                print("please enter a valid number")
```

### Output:

```
⋮
C:\Users\gopal\AppData\Local\Programs\Python\Python312\python.exe C
Enter your score here:95
A

Process finished with exit code 0
```