

ASSIGNMENT-1

Github link : https://github.com/SAIHB/ICP_1/assets/156740001/c42c6150-b0bd-4b41-9b84-7adef280646d

Video link: https://github.com/SAIHB/ICP_1/assets/156740001/c42c6150-b0bd-4b41-9b84-7adef280646d

ASSIGNMENT SCREENSHOTS:

Program1:

```
1 #Author : Sai Harsha Battula
2 #block1
3 1 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():
8             output = inp_a[:-2]
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 occured {}".format(error))
16    #end of block1
17 if __name__ == "__main__":
18     string_op()
```

Output:

```
Run icp1.1 x
C:\Users\vvnan\AppData\Local\Programs\Python\Python36\python.exe C:\Users\
Enter your string here:python
htyp
Process finished with exit code 0
```

Program2:

```
icp1.1.py  icp1.2.py x  icp1.3.py
1  #Author : Sai Harsha Battula
2  #block2
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: str = input("Enter your sentence here:") :
10          else:
11              print("please enter a valid sentence")
12      except Exception as error:
13          print("Error occured {}".format(error))
14  #end of block2
15  if __name__ == "__main__":
16      str_op()
```

Output:

```
Run  icp1.2 x
C:\Users\vvnan\AppData\Local\Programs\Python\Python36\python.exe C:\Users\vvnan\OneDrive\Desktop\ICP-1\icp1.2.py
Enter your sentence here: i love python
i love pythons
Process finished with exit code 0
```

Program3:

```
1 #Author : Sai Harsha Battula
2 #block3
3 1 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")
27        except Exception as error:
28            print("Error occurred {}".format(error))
29    #end of block3
30    if __name__ == "__main__":
31        grading()
```

Output:

```
un icp1.3 x
C:\Users\vvnan\AppData\Local\Programs\Python\Python36\python.exe C:\Users\vvnan\OneDrive\Desktop\ICP-1\icp1.3.py
Enter your score here:76
c
Process finished with exit code 0
```