Assignment 1 – ICP_1_Spring24

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Technical Document

1)—Write a python program take the Input string "Python" as a list of characters from console, delete at least 2 characters, reverse the resultant string and print it.

Output

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2) Take two numbers from user and perform at least 4 arithmetic operations on them

Output

3. Write a program that accepts a sentence and replace each occurrence of 'python' with 'pythons'.

```
#Author: Sai Nalla

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try:

inp_string = input("Enter your sentence here:")

if inp_string != '' and inp_string is not None and inp_string.isspace() != True and inp_string.isnumeric() != True:

inp_string = inp_string.replace('python', 'pythons')

print(inp_string)

else:

print("please enter a valid sentence")

except Exception as error:

print("Error occured {}".format(error))

#end_of block3

if __name__ == "__main__":

string_op()
```

Output

4) . Use the if statement conditions to write a program to print the letter grade based on an input class score. Use the grading scheme we are using in this class.

```
##Author : Sai Nalla

##start

| def grading_classScore():
| try:
| class_score = int(input("Enter your score here:"))
| except ValueError:
| print("Please enter number in numeric format 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: #Range of Grade A score |
| print("A") |
| elif class_score >= 80 and class_score <= 79: #Range of Grade B score |
| print("B") |
| elif class_score >= 60 and class_score <= 69: #Range of Grade D score |
| print("D") |
| else: | print("F") #Grade F score |
| print("F") #Grade F score |
```

```
else:

print("please enter a valid number")

except Exception as error:

print("Error occured {}".format(error))

##end

if __name__ == "__main__":

grading_classScore()
```

Output

```
Run: icp1_4 ×

C:\Users\chinna\AppData\Local\Programs\Python\Python310\python.exe D:/Sai/ICP_1_NNDL/icp1_4.py

Enter your score here:65

D

Process finished with exit code 0
```



