

Summer 2024: CS5720

Neural Networks & Deep Learning - ICP-1

GITHUBLINK: <https://github.com/venujala/700766038>

VIDEOLINK: explained in class

Note: Code quality (in terms of time and space complexity) is highly valued

1. Write a python program for the following:

- Input the string “Python” as a list of characters from console, delete at least 2 characters, reverse the resultant string and print it.

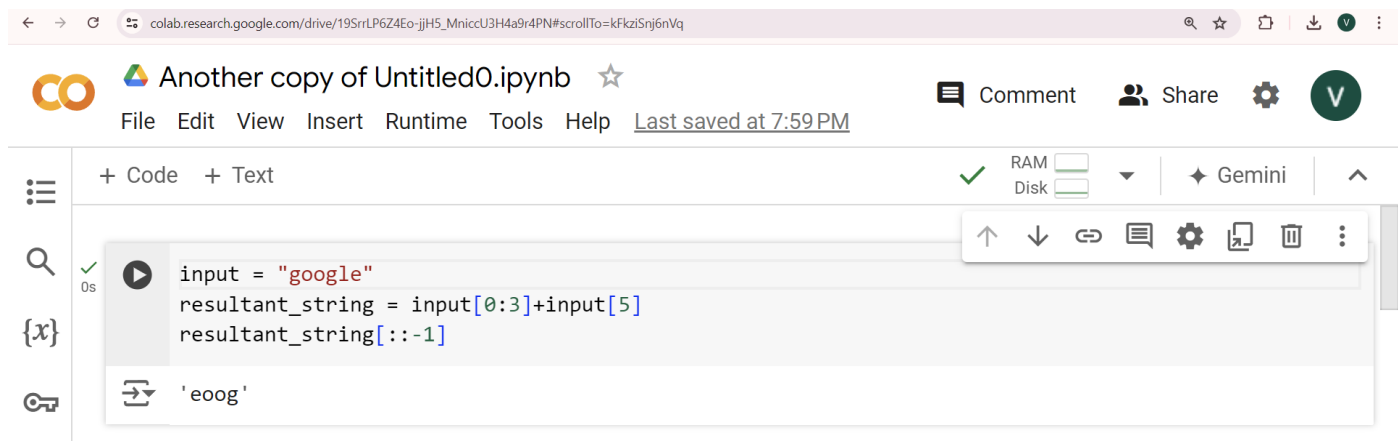
Sample input:

- python

Sample output:

- ntyp

- Take two numbers from user and perform at least 4 arithmetic operations on them.



The screenshot shows a Google Colab notebook titled "Another copy of Untitled0.ipynb". The code in the notebook is as follows:

```
input = "google"
resultant_string = input[0:3]+input[5]
resultant_string[::-1]
```

The output of the code is 'eooq'.

2. Write a program that accepts a sentence and replace each occurrence of ‘python’ with ‘pythons’.

Sample input:

- I love playing with python

Sample output:

- I love playing with pythons

colab.research.google.com/drive/19SrrLP6Z4Eo-jiH5_MniccU3H4a9r4PN#scrollTo=1aokd5gw-cnK

Another copy of Untitled0.ipynb

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```
input_sentence = input("Enter a sentence: ")

'''Below string method replace() is used to replace python with pythons'''
modified_sentence = input_sentence.replace('python', 'pythons')

print("Modified sentence:", modified_sentence)
```

Enter a sentence: I love python
Modified sentence: I love pythons

[] Start coding or [generate](#) with AI.

Connected to Python 3 Google Compute Engine backend

3. 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.

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Another copy of Untitled0.ipynb

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```
marks = int(input("Enter your marks: "))
if marks >=90:
    print("your Grade is A")
elif marks >=80:
    print("your Grade is B")
elif marks >=70:
    print("your Grade is c")
elif marks >=60:
    print("your Grade is D")
```

Enter your marks: 76
your Grade is c