

Spring 2024: CS5720

Neural Networks & Deep Learning - ICP-1

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GITHUB LINK: <https://github.com/BalaRishik001/Neural-Networks-and-Deep-Learning-Assignments>

VIDEO LINK:

https://drive.google.com/file/d/1pSxV7gOaFd3hDG5xXJA7dWmVRXi9EmQB/view?usp=drive_link

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.

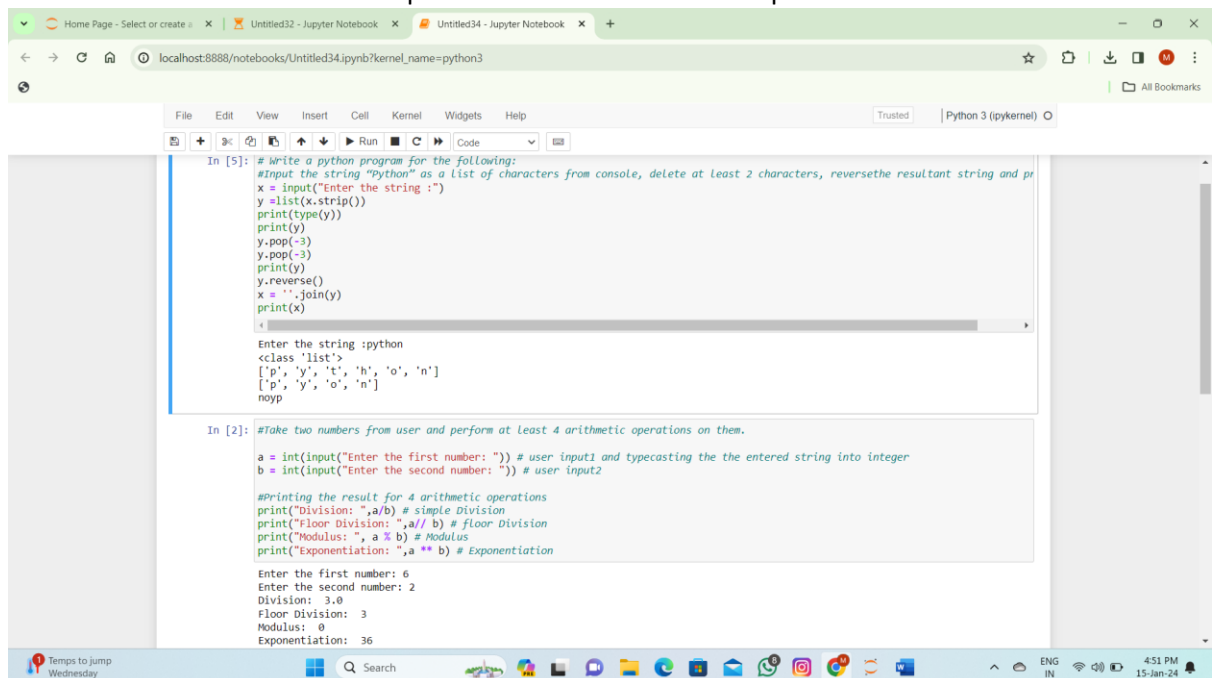
Sample input:

- python

- *Sample output:*

- ntyp

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



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In [5]: #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.
x = input("Enter the string :")
y = list(x.strip())
print(type(y))
print(y)
y.pop(-3)
y.pop(-3)
print(y)
y.reverse()
x = ''.join(y)
print(x)

Enter the string :python
<class 'list'>
['p', 'y', 't', 'h', 'o', 'n']
['p', 'y', 'o', 'n']
ntyp

In [2]: #Take two numbers from user and perform at least 4 arithmetic operations on them.

a = int(input("Enter the first number: ")) # user input1 and typecasting the entered string into integer
b = int(input("Enter the second number: ")) # user input2

#Printing the result for 4 arithmetic operations
print("Division: ",a/b) # simple Division
print("Floor Division: ",a//b) # Floor Division
print("Modulus: ", a % b) # Modulus
print("Exponentiation: ",a ** b) # Exponentiation

Enter the first number: 6
Enter the second number: 2
Division: 3.0
Floor Division: 3
Modulus: 0
Exponentiation: 36
```

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

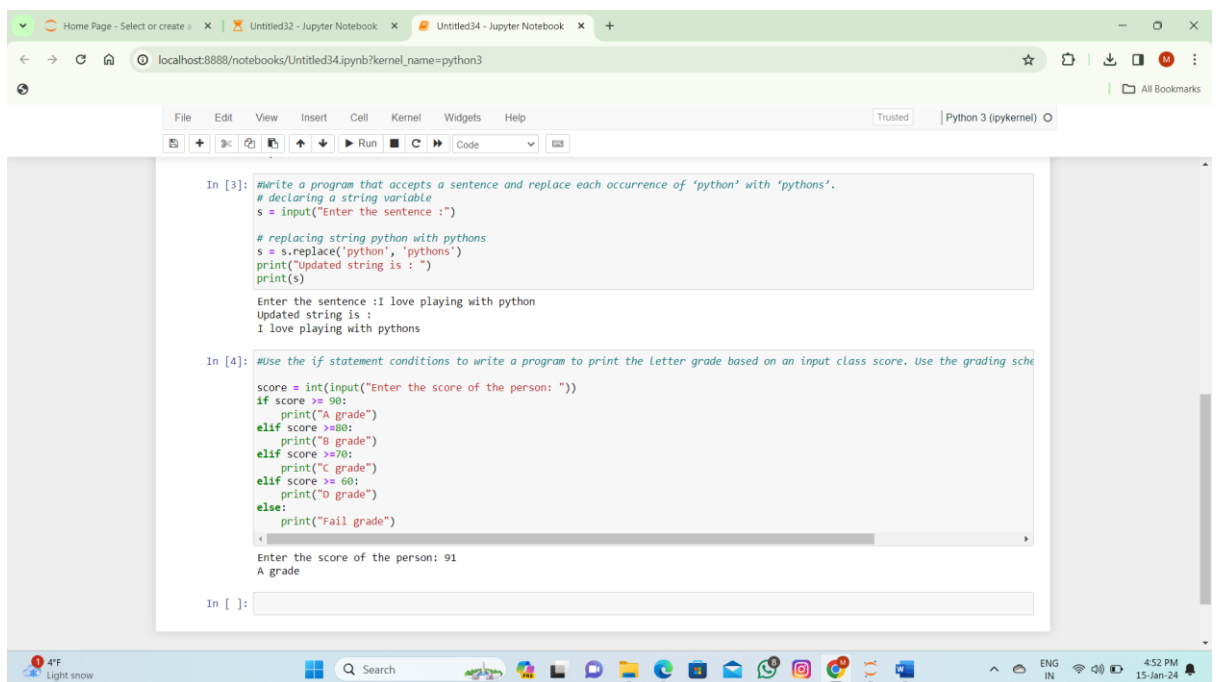
- *Sample input:*

- I love playing with python

- *Sample output:*

- I love playing with pythons

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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In [3]: #Write a program that accepts a sentence and replace each occurrence of 'python' with 'pythons'.
# declaring a string variable
s = input("Enter the sentence :")

# replacing string python with pythons
s = s.replace('python', 'pythons')
print("Updated string is : ")
print(s)

Enter the sentence :I love playing with python
Updated string is :
I love playing with pythons

In [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
score = int(input("Enter the score of the person: "))
if score >= 90:
    print("A grade")
elif score >= 80:
    print("B grade")
elif score >= 70:
    print("C grade")
elif score >= 60:
    print("D grade")
else:
    print("Fail grade")

Enter the score of the person: 91
A grade

In [ ]:
```

THANK YOU