

Summer 2024: CS5720
Neural Networks & Deep
Learning
ICP-1

Assignment-1

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<https://github.com/SnehanReddy2320/NNassignment1>

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

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

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

```
[ ] x = list("Python")
    del x[:2]
    x.reverse()
    reversed_string = ''.join(x)
    print(reversed_string)
```

↔ noht

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

```
x=float(input('Enter the input 1 '))
y=float(input('Enter the input 2 '))
add=x+y
subt=x - y
mul=x*y
div=x/y
exp=x**y
mod=x%y
z= x//y

print(add)
print(subt)
print(mul)
print(div)
print(exp)
print(mod)
print(z)
```

Enter the input 1 20
Enter the input 2 5
25.0
15.0
100.0
4.0
3200000.0
0.0
4.0

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

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

```
[ ] x="i love learning python"
    y=x.replace('python','pythons')
    print(y)
```

i love learning 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.

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

```
[ ] score=float(input("Enter the Score "))
    if score >= 90:
        grade='A'
    elif score >= 80:
        grade = 'B'
    elif score >= 70:
        grade = 'C'
    print(grade)
```

➞ Enter the Score 80
B

