Neural Networks & Deep Learning- ICP-1

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

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```

Question:1

[15]:
```
# input string
string = input('Enter the string:')
#Deleting the input string and concatenating the strings in order to delete specific characters
sub = string[0:3] + string[5:]
# Reversing the string and printing the output
print('Input String after deleting some characters and reverse the resultant "', sub[::-1],'"')
```

```
Enter the string:haed
Input String after deleting some characters and reverse the resultant " eah "
```

[16]:
```
#Take two numbers from user and perform at least 4 arithmetic operations on them.
#Get two numbers from the user
a = int(input("Enter First Number: "));
b = int(input("Enter Second Number: "));
print("The addition of the given numbers are:", a+b); #add
print("The subtraction of the given numbers are:",a-b); #subtract
print("The multiplication of the given numbers are:",a*b); #multiply
print("The division of the given numbers are:",a/b); #divide
```

```
Enter First Number: 5
Enter Second Number: 5
The addition of the given numbers are: 10
The subtraction of the given numbers are: 0
The multiplication of the given numbers are: 25
The division of the given numbers are: 1.0
```

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

Question:2

[17]:
```
#This program replaces each occurance of the string python with pythons
inputStr = "I love playing with kid ";
print(inputStr.replace('kid','kids'));
```

```
I love playing with kids
```

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.

Question:3

18]:
```
#Get the input score from the user
score = int(input("Enter your score:"));

#Check and print the respective grade
if score >= 90 and score <=100:
    print("Your Grade is A");
elif score >= 80 and score <=89:
    print("Your Grade is B");
elif score >= 70 and score <=79:
    print("Your Grade is C");
elif score >= 60 and score <=69:
    print("Your Grade is D");
else:
    print("Your Grade is F");
```

```
Enter your score:65
Your Grade is D
```

GitHub link: https://github.com/niryarjessy22/Neural-Networks-Deep-Learning--ICP-1.git

Video link:
https://drive.google.com/file/d/15SFKLKC42XahjXMHkAc6Z1dY7LTPsqKK/view?usp=share_link