

## Pranav Polavarapu - 19BTRCR008

Write python program to elaborate strings such as

a. String declaration, traversing, slicing, concatenating, and sorting in a list. ¶

b. To check whether a string is palindrome or not; to remove punctuations from a string.

```
In [3]: str1 = 'Pranav'
        str2 = '''Python'''
```

```
In [4]: #Traversing
        for i in str1 :
            print('Char {}'.format(i))
```

```
Char P
Char r
Char a
Char n
Char a
Char v
```

```
In [5]: #Slicing, oncatenating,
        print('Slicing from 1st index to 2nd index: {}'.format(str1[1:3]))
        print('Accessing last character: {}'.format(str1[-1]))
        print('Using step parameter: {}'.format(str1[0:5:2]))
        print('Concatenation of Strings: {}'.format(str2+str1))
        print('Multiplying String {}'.format(str2*3))
```

```
Slicing from 1st index to 2nd index: ra
Accessing last character: v
Using step parameter: Paa
Concatenation of Strings: PythonPranav
Multiplying String PythonPythonPython
```

```
In [6]: # sorting in a list.
lst = ['lol', 'hehe', 'haha', 'damn', 'dude', 'idk']

# Using sorted() function
for i in sorted(lst):
    print(i)
```

```
damn
dude
haha
hehe
idk
lol
```

```
In [7]: #palindrome
strn=input('Enter the string:')
str=strn.casefold()
rev_str=str[::-1]
if (rev_str==str):
    print("Given string {} is palindrome".format(strn))
else:
    print("Given string {} is Not palindrome".format(strn))
```

```
Enter the string:Radar
Given string Radar is palindrome
```

```
In [1]: # remove punctuations from a string.
punc='''!()~{}[];:'"\,<>./?@#%*_'''
str=input('Enter the String: ')
print('Original String: {}'.format(str))
no_punc=''
for char in str:
    if char not in punc:
        no_punc = no_punc + char
print('Modified String: {}'.format(no_punc))
```

```
Enter the String: We are made of Star, Stuff !!?
Original String: We are made of Star, Stuff !!?
Modified String: We are made of Star Stuff
```