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 [1]:
```
str1 = 'Keerthi'
str2 = '''Python'''
```

In [2]:
```
#Traversing
for i in str1 :
    print('Char {}'.format(i))
```

```
Char K
Char e
Char e
Char r
Char t
Char h
Char i
```

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

```
Slicing from 1st index to 2nd index: ee
Accessing last character: i
Using step parameter: Ket
Concatenation of Strings: PythonKeerthi
Multiplying String PythonPythonPython
```

In [4]:
```
# 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 [5]:
```
#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:
Given string  is palindrome
```

In [6]:
```
# 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: Hii!, I am Keerthi
Original String: Hii!, I am Keerthi
Modified String: Hii I am Keerthi
```

In [ ]:
```
```