Excercise on Methods of strings

In [1]:
```
## 1.Take name as input and say Hello
name=input("Enter your name:")
print("Hello"" "+name)
```

```
Enter your name:Mayur
Hello Mayur
```

In [2]:
```
##2.From below stringprint count of "is"
string="He is Amol and She is Chaitali"
string.count("is")
```

Out[2]:
```
2
```

In [3]:
```
# 3.From below string split the words by space
string="Data is new oil"
print(string.split(","))
```

```
['Data is new oil']
```

In [4]:
```
#4.Now from below list ,join all words by "=" and create a sentence.
list_1=["Data","is","new","oil"]
print("=".join(list_1))
```

```
Data=is=new=oil
```

In [5]:
```
#5.From below string replace "java with "Python".
sentence="I love programming in Java"
sentence.replace("Java","Python")
```

Out[5]:
```
'I love programming in Python'
```

In [6]:
```
#6.From below spaces remove additional spaces and print it
message="This is a message with spaces."
print(message.strip())
```

```
This is a message with spaces.
```

In [7]:
```
# 7.From below string find position (start index) of "sample" sentence.
sentence="This is a sample sentence."
print(sentence.index("sample"))
```

```
10
```

In [8]:
```
# 8.Given the string "Python is fun!" how can you calulate and print its length
text="Python is fun!"
print(len(text))
```

```
14
```

In [9]:
```
# 9.Print below strin in reverse order
string="Pineapple"
print(string[::-1])
```

```
elppaeniP
```

In [10]:
```
# 10.Given the string "Welcome to Python Programming.",how can you capitalize the first letter of each word and
# print the modified string?
text="Welcome to Python Programming."
print(text.title())
```

```
Welcome To Python Programming.
```

In [11]:
```
# 11.Convert all letter of string to Upper case
text="Data is new oil"
print(text.upper())
```

```
DATA IS NEW OIL
```

In [12]:
```
# 12.From below string just convert first letter of string to upper case.
text="i am learning python"
print(text.title())
```

```
I Am Learning Python
```

In [13]:
```
# 13.Convert all upper case to lower and lower case to upper.
text="DaTa is NeW oIL"
text.swapcase()
```

Out[13]:
```
'dAtA IS nEw Oil'
```

In [14]:
```
# 14.Print the addition of beloe 2 strings
a=20
b=30
# a and b both are numbers so first we have convert these numbers to string explicitely.
```

```
print(str(a)+str(b))
```

```
2030
```

In [16]:
```
# 15.Print the addition of beloe 2 strings
a="20"
b="30"
print(a+b)
```

```
2030
```

Various Operations On Lists.

In [18]:
```
# 16.From below list replace 4 with 44.
my_list=[1,2,3,4,5]
my_list[3]=44
print(my_list)
```

```
[1, 2, 3, 44, 5]
```

In [20]:
```
# 17.In below list add(insert) 200 at index .
my_list=[1,2,3,4,5]
my_list.insert(3,200)
print(my_list)
```

```
[1, 2, 3, 200, 4, 5]
```

In [22]:
```
# 18. In below list add new number 66.
my_list=[1,2,3,4,5]
my_list.append(66)
print(my_list)
```

```
[1, 2, 3, 4, 5, 66]
```

In [30]:
```
# 19.In below list insert new numbers 66,87,99.
my_list=[1,2,3,4,5]
my_list.extend([66,87,99])
print(my_list)
```

```
[1, 2, 3, 4, 5, 66, 87, 99]
```

In [29]:
```
# 20.From below list remove number 3.
my_list=[1,2,3,4,5]
my_list.remove(3)
print(my_list)
```

```
[1, 2, 4, 5]
```

In [31]:
```
# 21.From below list print count of "cherry".
my_list=[1,2.5,"cherry",3,"banana",4.0,"cherry"]
print(my_list.count("cherry"))
```

```
2
```

In [36]:
```
# 22.From below list print index of banana.
my_list=[1,2.5,"cherry",3,"banana",4.0,"cherry"]
print(my_list.index("banana"))
```

```
4
```

In [35]:
```
# 23.From below list remove last item.
my_list=["Pune","Dehli","Mumbai","Indore","Jaipur","Dehradun"]
print(my_list.pop())
print(my_list)
```

```
Dehradun
['Pune', 'Dehli', 'Mumbai', 'Indore', 'Jaipur']
```

In [40]:
```
# 24.sort below list in alphabetical order
my_list=["Grapes","Apple","Cherry","Mango","Banana"]
my_list.sort()
print(my_list)
```

```
['Apple', 'Banana', 'Cherry', 'Grapes', 'Mango']
```

In [41]:
```
# 25.sort below list in reverse alphabetical order
my_list=["Grapes","Apple","Cherry","Mango","Banana"]
my_list.sort(reverse=True)
print(my_list)
```

```
['Mango', 'Grapes', 'Cherry', 'Banana', 'Apple']
```