In [1]:

```
# 1.Create a list and fetch all from the list and print these values.
supuri = ["sucharita","puspita","rijwana"]
print(supuri)
```

```
['sucharita', 'puspita', 'rijwana']
```

In [2]:

```
# 2. Write a python program to print the length of a list.
supuri = ["sucharita","puspita","rijwana"]
print(len(supuri))
```

```
3
```

In [24]:

```
# 3.Write a python program to check if an element is present or not in the list.If present
# or print “Item is not present in this list”.
supuri = ["sucharita", "puspita", "rijwana"]
if "puspita" in supuri:
    print("Item is present in this list")
else:
    print("Item is not present in this list")
```

```
Item is present in this list
```

In [7]:

```
# 4.Different way to clear a list.
supuri = ["sucharita", "puspita", "rijwana"]
supuri.remove("puspita")
print(supuri)
```

```
['sucharita', 'rijwana']
```

In [9]:

```
supuri = ["sucharita", "puspita", "rijwana", "subhadip"]
supuri.pop(2)     # remove the second item using this function
print(supuri)
```

```
['sucharita', 'puspita', 'subhadip']
```

In [10]:

```
supuri = ["sucharita", "puspita", "rijwana", "subhadip"]
supuri.pop()     # clear the last item
print(supuri)
```

```
['sucharita', 'puspita', 'rijwana']
```

In [11]:

```
supuri = ["sucharita", "puspita", "rijwana", "subhadip"]
supuri.pop(0)     # clear the first item
print(supuri)
```

```
['puspita', 'rijwana', 'subhadip']
```

In [13]:

```
supuri = ["sucharita", "puspita", "rijwana", "subhadip"]
del supuri       # delete the entire list
print(supuri)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_2268\1318999382.py in <module>
      1 supuri = ["sucharita", "puspita", "rijwana", "subhadip"]
      2 del supuri
----> 3 print(supuri)

NameError: name 'supuri' is not defined
```

In [15]:

```
supuri = ["sucharita", "puspita", "rijwana", "subhadip"]
supuri.clear()     # clear the list content
print(supuri)
```

```
[]
```

In [16]:

```
# 4.1.Write a program to add all the elements in this list.
supuri = ["sucharita", "puspita", "rijwana",]
extra_people = ["subhadip", "debarghya", "farhad", "imran"]
supuri.extend(extra_people)
print(supuri)
```

```
['sucharita', 'puspita', 'rijwana', 'subhadip', 'debarghya', 'farhad', 'imra
n']
```

In [18]:

```
# 5.Copy a list in to another list.
supuri = ["sucharita", "puspita", "rijwana",]
friends = supuri.copy()
print(friends)
```

```
['sucharita', 'puspita', 'rijwana']
```

In [25]:

```
# 6.Find the maximum and minimum number in a list.
number = [40, 35, 34, 26, 6, 17, 2, 30]
print(max(number))    # maximum number
print(min(number))    # minimum number
```

```
40
2
```

In [39]:

```
# 7.Write a program to multiply two lists and save them into another list.
list = [3, 4, 5, 6, 7]
lis = list * 3
print(lis)
```

```
[3, 4, 5, 6, 7, 3, 4, 5, 6, 7, 3, 4, 5, 6, 7]
```

In [34]:

```
# 8.Create a tuple and fetch all the from the tuple and print these values.
supuri = ("sucharita", "puspita", "rijwana",)
print(supuri)
```

```
('sucharita', 'puspita', 'rijwana')
```

In [36]:

```
# 9.Write a python program to print the length of a tuple.
supuri = ("sucharita", "puspita", "rijwana", "subhadip", "debarghya")
print(len(supuri))
```

```
5
```

In [40]:

```
# 10.Write a python program to add two different tuples.
tuple1 = ("p", "s", "r", "f","d")
tuple2 = (3, 5, 6, 9)
tuple3 = tuple1 + tuple2
print(tuple3)
```

```
('p', 's', 'r', 'f', 'd', 3, 5, 6, 9)
```

In [42]:

```
# 11.Create a dictionary and fetch all from the dictionary and print these values.
dic = {"name": "puspita", "age": 21, "address": "kolkata", "job": "NA", "salary": 00000}
print(dic)
```

```
{'name': 'puspita', 'age': 21, 'address': 'kolkata', 'job': 'NA', 'salary':
0}
```

In [43]:

```
# 12.Get all the keys and values from a dictionary.
for key, val in dic.items():
    print(key,"------", val)
```

```
name ------ puspita
age ------ 21
address ------ kolkata
job ------ NA
salary ------ 0
```

In [45]:

```
# 13.Add a new Item in a dictionary.
dic = {"name": "puspita", "age": 21, "address": "kolkata", "job": "NA", "salary": 00000}
dic["university"] = "MAKAUT"
print(dic)
```

```
{'name': 'puspita', 'age': 21, 'address': 'kolkata', 'job': 'NA', 'salary':
0, 'university': 'MAKAUT'}
```

In [46]:

```
# 14.Merging two different dictionary.
dic1 = {"name" : "puspita", "year" : 2001}
dic2 = {"name" : "moumita", "year" : 1999}
two_sister = {"dic1": dic1, "dic2": dic2}
print(two_sister)
```

```
{'dic1': {'name': 'puspita', 'year': 2001}, 'dic2': {'name': 'moumita', 'yea
r': 1999}}
```

In [ ]: