USN: 4AL17CS005 DATE: 03/09/2000

In [1]:
```
#python program to count number of occurences of a word in the sentence
a=str(input("Enter the sentence: "))
b=dict()
c=a.split()
for i in c:
    if i in b:
        b[i]+=1
    else:
        b[i]=1
print(b)
```

```
Enter the sentence: i love my nation and also i love my state
{'i': 2, 'love': 2, 'my': 2, 'nation': 1, 'and': 1, 'also': 1, 'state': 1}
```

In [2]:
```
#python program to remove duplicate elements from list
n=int(input("Enter the size of list "))
a=[]
for i in range(n):
    a.append(input())
b=set(a)
print(list(b))
```

```
Enter the size of list 4
1
we
2
we
['2', '1', 'we']
```

In [4]:
```
#python program to count number of elements in a list within specified range
n=int(input("Enter the size of list "))
a=[]
b=[]
for i in range(n):
    a.append(input())
x=int(input("Enter the 1st range "))
y=int(input("Enter the 2nd range "))
for i in range(x,y+1):
    b.append(a[i])
print(b)
```

```
Enter the size of list 5
1
3
4
2
5
Enter the 1st range 1
Enter the 2nd range 3
['3', '4', '2']
```

In [5]:
```
#python program to merge two dictionaries
a={'a':1,'b':2}
b={'c':3,'d':4}
a.update(b)
print(a)
```

```
{'a': 1, 'b': 2, 'c': 3, 'd': 4}
```

In [6]:
```
#python program to find highest 3 values in dictionary
from heapq import nlargest
a={'a':7889,'b':5332,'c':8645,'d':6778,'e':5789}
b=nlargest(3,a,key=a.get)
print(b)
```

```
['c', 'a', 'd']
```

In [7]:
```
#python program to convert tuple to a string
t=('c','r','i','c','k','e','t')
s=''.join(t)
print(s)
```

```
cricket
```

In [8]:
```
#python program to reverse a tuple
t=('c','r','i','c','k','e','t')
list=list(t)
list.reverse()
print(tuple(list))
```

```
('t', 'e', 'k', 'c', 'i', 'r', 'c')
```

In [10]:
```
#python program to remove existing indentation from all of the lines in a given text
import textwrap
sample_text = '''
    Python is a widely used high-level, general-purpose, interpreted,dynamic programming language. Its design philosophy emphasi
    concepts in fewer lines of code than possible in languages such as C++ or Java. '''
text_without_Indentation = textwrap.dedent(sample_text)
print()
print(text_without_Indentation )
print()
```

```
Python is a widely used high-level, general-purpose, interpreted,dynamic programming language. Its design philosophy emphasizes
code readability, and its syntax allows programmers to express
concepts in fewer lines of code than possible in languages such as C++ or Java.
```