**LOOPS:**

**WHILE:**

Must always have increment in the end

While(count<5):

Print(i)

Count=count+1

**STRING:**

Can be iterated

Indexed using string1[0]

A+b – append

A\*3 - repetition

s.capitalize() – to give first letter Capital

s.upper() – to convert the whole string to caps

s.replace(‘t’,’T’)

**LISTS:**

Can be iterated

Indexed using list1[0]

List1[::-1] – reverse and print

List1.append(a)

a.pop()

a.insert(position,element)

a.pop(position)

a.index(element)

a.count(element) - occurrence

a.reverse() - reverse the list

s.sort() - ascending

**DICTIONARY:**

Dict1.get(‘key’) - gets the value

UPDATE

Dict1[‘akash’]=60

Dict1.pop(‘akash’)

Dict1.popitem() - pops the last item

Dict1.keys() – will give keys

Dict1.values() – will give values

**STRING TO LIST:**

String1=”this is abi”

list1=list(string.split(“ ”))

return list1

Str1=’Accenture’

List1=[]

For I in str1:

List1.append(i)

LIST TO STRING:

OUTPUT=[1,2,3,4,5]

str1=''

for i in output:

str1+=i

print(str1)

str1=””

print(str1.join(list1))

**DICTIONARY TO LIST:**

dict = { 'Geeks': 10, 'for': 12, 'Geek': 31 }

list = list(dict.items())

print(list)

**LIST TO DICTIONARY:**

list1=['five', 5, 'six', 6, 'seven', 7, 'seven', 7, 'nine', 9]  
keys=[]  
values=[]  
dictnew={}  
for i in list1:  
 if type(i)==str:  
 keys.append(i)  
 else:  
 values.append(i)  
  
print(keys)  
print(values)  
res = {keys[i]: values[i] for i in range(len(keys))}  
  
  
print("Resultant dictionary is : " + str(res))

**STRING TO DICTIONARY:**

string=input("Enter a string")

strdict={}

for i in string:

if i in strdict:

strdict[i]=strdict[i]+1

# in a dict u can update by giving dictname[value]=key - this will update it - if tht is nt present it will craete a new pair

else:

strdict[i]=1 # by giving this it will automatically create a dictionary with i as values and 1 as key

print(strdict)

**DICTIONARY TO STRING:**

Temp=” “

For I in string:

Temp=temp+str(i)+str(dict1.get(i))

Print(temp)