```
Session-12
Seperating without string methods-
 Sample = 'a b c' looping a string
   Sep = 1
  res = [ ]
  for ch in sample:
        if ch == sep:
              Continue
        res.append (ch)
  Print(res)
 Olp \Rightarrow ('a', 'b', 'c')
 with string method (split)-
   Sample = 'a b c'
   print (sample.splite))
  olp > ['a', 'b', 'c']
         4) index 5) Count 6) replace
 3) find
 find()
  a = "python, java, C++, go"
  Print (a. find ("C++")) // seturns the start
  01p = 12
                        index of the given
 a = " neha"
                         element!
Print (a. find ("Neha"))
           Il element is not present.
  S = "python, c++, java, go"
 ans = " "
                 ___ substring
 Str_search="C++
 str_ida = s.find(str_search).
 if str_idx = = -1:
      ans = "Not found"
 else:
     ans=sto-ida
Print(f " { str_search}: ", ans }
 Olp=) (++:7
- if present, prints index.
- if not, returns -1.
```

```
index()
 a = "python, java, c++"
 Print(a index("java"))
 Olp=>7
- if present, returns index
- if not, raises an error.
 S = "python, C++, java, go"
 ans = ""
str-search = "python"
if stresearch in 8:
      ans = s.index(str_search)
else:
     ans = "Not found"
Print(fiff str_search): ", ans)
 Olp > 0
Count() =) if not present, seturns o
a = 1a, b, c, d, e, f, a, a, a'
Print (a. count (a))
OIP > 4
replace()
a = "a,b,c,d,e,f"
a = a. replace ("a,b,c", "P,q,6")
Print(a)
Olp > Pigisidieif
7) Capitalize()
  S= "abcdEf"
 print(s.isupper()) | print(s.islower())
Olp => false
                     Olp=)false
 a = "abcdef"
Print (s. capitalize)
Olp -> Abodef (| first letter Gpila)
```

C

6

6

```
- strip()
       1strip()
    - rstrip()
   Session - 13
   swap case ()
    S = "Neha"
    Output = []
    for chas in s:
        output.append(chas.swapcase())
Print(output) Print("".join(output))
    olp > ['n','e', 'H', 'A']
Functions in Python-
\rightarrow input(), int(), float(), str(), tuple(),
     dict(), list(), set(), etc are
      Predefined functions => shipped with
      installation.

ightarrow Using functions, modularity in our
     Program is achieved.
   Ex- Keyword (define)
                 afunction name.
> def add():
        print(2+3) 6 function definition
     >> Print(3+4)
    (add() & calling function 2
     olp ⇒ 5 ___ orguments
\Rightarrow def add(a,b):
          print (atb)
      add (4.66) - fixed by default orguments)
     olp => 10
\rightarrow def sub(a,b):
           print(a-b)
      Qub(b=10, a=5) } Positional
      sub (a = 10, b=5)
                               aguments
     olp=> -5
```

```
\rightarrow def add(a,b):
          ans = a+b
         return ans
   Tes = add (a=2, b=3)
   Tes = Tes+10
   Print (res)
  Olp > 15
\rightarrow def add (a,b,c=10):
       return a+b+C
   res = add (2,5)
   Print (res)
   0/p > 17
Linear Search -
 9iven_list=[1,2,3,10,20,30]
 Seasch_element = 10
def linear_search (given_list, search_element):
    for ida, ele in enumerate (given_list,
                        statoh Dements :
         of ele = = search_element:
                return True, dx
    return False, -1.
given_list=[1,2,3,10,20,30]
Search_element = 10
res=linear_search(given_list, search_element)
print (type (res))
print (res)
               tuple.
Olp => (True ,B)
```