```
Session - 9
                                            Updating -
Dict datatype-
                                            a = { "name": ["neha"]}
mutable datatype: add, update, del
                                            a · ["name"][0] = "sweety"
- unordered datatype: index can be
                                            print (a)
  anything, and slicing is not supported
                                            olp > { 'name': ['sweety']}
 Dictionary -
                                            a = {"name": ["neha"; "feddy", "a"]}
     a = f key: "value" fo key-value pairs.
  variable
                                            a ("name"] [2] = " addula"
 \exists x \Rightarrow a = d "course": "cloud camp"
                                            Print(a)
        Print (type(a))
                                            olp => f'name': ("neha", "reddy",
        olp => class' > dict>'
                                                        "addula"] }
- Key must be unique
                                            Deleting an element in a dict-
  Accessing -
  Ex => a = { "course": "cloud camp"}
                                            0 = d
           Print (a [ "course"])
        olp => cloud camp
  Printing dictionary-
 a=g"name": ["neha", "sweety"], "gender":
                                           Adding a dict to other-
      '-female", "mail": ['ababbagmail.com",
                                            a = {"name": ("aadya", "devansh_}
              bababgmail.com"] p
                                            a["id"] = 1,2}
   print(a)
                                            Print (a)
                                                                                  olp > of 'name': ['neho', 'sweety'], 'gender':
                                            olp ⇒ f "name": ["aadya", "devansh"],
    'female', 'mail': ['abobbagmail.com',
                                                    " ; d" ; of 1, 2 } }
                                                                                  bababgmail.com]
                                            Printing or accessing a Value using
  Appending -
                                            'get' keyword-
                                                                                  77
  a = d "name": ["neha", "sweety", "min-
nu"]}
                                            a = { "name" : { "Kiran", "Pavani", " sri"}
                                            Print (a.get ("nam"))
    a ["name"]. append ("Srishanth")
                                            olp ⇒ & "Kiran", "Pavani", "sti" }
   print(a)
                                            None olp >
   olp > of 'name': ['neha', 'sweety',
                                                                                  -
                                            a = f"name": "neha" b
               'minnu', 'srishanth'] }
                                            Print (a.get("nme")) (Print (a.get("nae; -1)
                                            olp \Rightarrow None
                                                             19 O(P=)-1
```

```
Set-default - cécale. a new key value paix
                                               Deleting -

    Q = { "name": ["neha", "pavoni", "senu"],

                                                - popitem
          "id": [112,3], " (o Course": "Python"
0
                                               - POP
Print(a.set default \( \bigg\) "country", [" India",
                                               - del
           "India", "India"])
                                               -clear
                                              - popitem() deletes the last key-value
   Print(a)
['aibnI', 'aibnI', 'aibnI'] €910
                                                pair in a dict().
                                              \underline{\exists x} - test = \{ a'' : [1,2,3,4], b'' : [4,5,6,7] \}
    { 'name': ['theha', 'pavani', 'senu'], 'id":
        [1,2,3], 'course': 'python', 'country':
                                                    item = test.popitem ()
The state of
       'India', 'India', 'India'?
                                                    Print (test litem)
                                               olp ⇒ {'a', [1,2,3,4]} (16', [4,5,6,7])
   Problem Statement:
    Create a dictionary with the
                                              - POP
    squares of numbers from 1 to 10.
                                                <u>Ex</u> - test = { "a": [1,2,3,4], "b": [4,5,6,7]}
      squares = dict()
1
                                                      item = test pop("a")
     for num in range (1,11):
              Squares. Set default (hum, num**2)
                                                      print (test, item)
     print (squares)
                                                OP=) { 'b'; [4,6,6,7]}.

• olp ⇒ {1:1,2:4,3:9, 4:16,5:26,6:36,

                                               Update-
              7:49,8:64,9:81,10:100}
                                                a={1:1,2:4,3:9}
C)
                                                b= {4:16,5:25}
     a.keys(), a.values(), a.items():
M
     a = \{ (x, x') : [1,2,3,4], (y') : [5,6,7,8] \}
                                                 c = a.update(b)
for ele in a: #bydefault a = a.key()
                                                point (a,c)
                                               olp=){1:1,2:4,3:4,4:16,5:25} None
            print(Qe)
ELE?
                                                a = { 1:1, 2:4,3:9}
                                                 b= {4:16,5:25}
                                                 (= a.update(b)
     a = d''x'': [1,2,3,4], "y": [5,6,7,8]
                                                print (acc)
     for ele in a.values():
                                                a ('newi) = b
                print(ele)
                                                 print(a)
W.
     Olp = [1,2,3,4]
                                                0/p=){1:1,2:4,3:9,4:16,5:25, 'new':
             [5,6,7,8]
                                                                      54:16,5:25% b
     a = d"x": (1,2,3,4],"y": [5,6,7,8])
2
     for ele in a items():
            Print (ele)
      olp => (x',[1,2,3,4])
('y', [5,6,7,8])
```