```
code
         dictionary.
         student= {
         print('Name' in student)
         print( 'Address' <mark>in</mark> student)
         student1= {
         student2= {
         student3=student1.copy()
         student3.update(student2)
        print(student3)
         Dict1= {
         sum=0;
        print(sum)
```

```
dict={
dict.update({2: 30})
print(dict)
student = {
print("before updating")
print(student )
student .update({'roll no':55})
print("after updating")
print(student )
new one.
#Sample Dictionary :
dict1=\{1:10, 2:20\}
dict2={3:30, 4:40}
dict3={5:50,6:60}
dict4 = {}
print(dict4)
tuple1 = ("Mansi", 2.131, False, 982)
print(tuple1)
tuple2 = 5, 10, 15, 20, 25
print(tuple2[0])
tuple3 = (4, 6, 2, 8, 3, 1)
print(tuple3)
```

```
tuple4 = tuple3 + (9,)
print(tuple4)
tuple5 = tuple3[:5] + (15, 20, 25)
print(tuple5)
list1 = \overline{list(tuple3)}
#use different ways to add items in list
list1.append(30)
tuple6 = tuple(list1)
print(tuple6)
tuple7 = ('M', 'I', 'H', 'I', 'R')
str =''.join(tuple7)
print(str)
tuple8 = (12,21,32,23,43,34,54,45)
print(tuple8)
print(len(tuple8))
print("\nAdding one element:")
Fruits basket.add("apple")
print(Fruits basket)
print("\nAdding multiple items:")
Fruits basket.update(["orange", "mango", "banana", "grapes"])
print(Fruits basket)
print("\nclearing the Fruits basket set")
Fruits basket.clear()
print(Fruits basket)
the set.
set1 = {"mansi", "rahi", "krishna", "mahi", "azy", "ira", "vishwa"}
print(set1)
initial length=len(set1)
         set1.discard(name)
final length=len(set1)
print(set1)
```

```
B = \{89, 32, 46, 23, 31, 44, 53\};
        print("Intersection :", A & B)
        print("Union :", A | B)
        print("Difference :", A - B)
        print(set ex)
        print(type(set ex))
        print("\nMaximum value of the said set:")
        print(max(set ex))
        print("\nMinimum value of the said set:")
        print(min(set ex))
        from list, tuple, dictionary.
         from collections import Counter
        list 1 = [14, 24, 45, 45, 94, 19]
        most common element, frequency = cntr.most common(1)[0] # Return the most
        print("The most common element is {}, and the frequency of that element is
Output
        Dictionary
        # a
        False
{'Id': '20CS071', 'Name': 'Mansi', 'Age': '19', 'gender': 'Female', 'skills': ['Art', 'Music', 'Programming']}
         'Id': '20CS071', 'Name': 'Mansi', 'Age': '19', 'gender': 'Female', 'skills': ['Art', 'Music', 'Programming']}
        # c
         185
        # d
         {0: 10, 1: 20, 2: 30}
         before updating
         {'Id': 'ab123', 'Name': 'abc', 'Age': '19'}
         after updating
         {'Id': 'ab123', 'Name': 'abc', 'Age': '19', 'roll no': 55}
        # e
```

```
{1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
Tuple
# a
('Mansi', 2.131, False, 982)
# b
5
(4, 6, 2, 8, 3, 1)
 (4, 6, 2, 8, 3, 1, 9)
(4, 6, 2, 8, 3, 15, 20, 25)
(4, 6, 2, 8, 3, 1, 30)
MANSI RAVAL
(12, 21, 32, 23, 43, 34, 54, 45)
Set
# a
Adding one element:
Traceback (most recent call last):
 File "main.py", line 2, in <module>
    Fruits basket.add("apple")
NameError: name 'Fruits_basket' is not defined
{'vishwa', 'azy', 'mansi', 'ira', 'krishna', 'rahi', 'mahi'}
insert a name to remove from a listmansi
item removed successfully from the set
{'vishwa', 'azy', 'ira', 'krishna', 'rahi', 'mahi'}
```

```
#c
Intersection : {32, 46, 31}
Union : {32, 43, 44, 46, 82, 21, 53, 23, 89, 62, 31}
Difference : {82, 43, 21, 62}

Original set elements:
    {32, 2, 230, 103, 522, 1245}
    <class 'set'>

Maximum value of the said set:
    1245

Minimum value of the said set:
    #d

#e
The most common element is 45, and the frequency of that element is 2
```