## GROUP A-02:--- KAUSTUBH SHRIKANT KABRA SE COMP-1 20

## Program:---

```
"Shrikanth Kidambi", "PV Sindhu"]
Cricket = ["Kaustubh Kabra", "Ankit Patil", "Virat Kohil", "MS Dhoni",
Badminton = ["Kaustubh Kabra", "Harsh Shah", "PV Sindhu", "Shrikanth Kidambi", "Saina Nehwal", "Virat Kohli",

"MS Dhoni"]
def removeduplicate(t):
                  lst3.append(value)
```

```
return 1st3
def difference(lst1, lst2):
    return 1st3
def symmetricdiff(lst1, lst2):
    lst3 = union(d1, d2)
def ncnb(lst1, lst2, lst3):
Cricket = removeduplicate(Cricket)
Badminton = removeduplicate(Badminton)
```

## Output:---

/~~~~MENU~~~~/

- 1. List of students who played both Cricket and Badminton
- 2. list of students who play either cricket or badminton but not both
- 3. Number of students who play neither cricket nor badminton
- 4. Number of student who play cricket and football but not badminton
- 5. Exit

Enter your choice: 1

Cricket: ['Kaustubh Kabra', 'Ankit Patil', 'Virat Kohil', 'MS Dhoni', 'Ravindra Jadeja', 'Smriti Mandhana']

Badminton: ['Kaustubh Kabra', 'Harsh Shah', 'PV Sindhu', 'Shrikanth Kidambi', 'Saina Nehwal', 'Virat Kohli', 'MS Dhoni']

List of students who played both Cricket and Badminton:

['Kaustubh Kabra', 'MS Dhoni']

- 1. List of students who played both Cricket and Badminton
- 2. list of students who play either cricket or badminton but not both
- 3. Number of students who play neither cricket nor badminton
- 4. Number of student who play cricket and football but not badminton
- 5. Exit

Enter your choice: 2

Cricket: ['Kaustubh Kabra', 'Ankit Patil', 'Virat Kohil', 'MS Dhoni', 'Ravindra Jadeja', 'Smriti Mandhana']

Badminton: ['Kaustubh Kabra', 'Harsh Shah', 'PV Sindhu', 'Shrikanth Kidambi', 'Saina Nehwal', 'Virat Kohli', 'MS Dhoni']

list of students who play either cricket or badminton but not both

['Ankit Patil', 'Virat Kohil', 'Ravindra Jadeja', 'Smriti Mandhana', 'Harsh Shah', 'PV Sindhu', 'Shrikanth Kidambi', 'Saina Nehwal', 'Virat Kohli']

/~~~~MENU~~~~~/

- 1. List of students who played both Cricket and Badminton
- 2. list of students who play either cricket or badminton but not both

- 3. Number of students who play neither cricket nor badminton
- 4. Number of student who play cricket and football but not badminton
- 5. Exit

Enter your choice: 3

Class: ['Kaustubh Kabra', 'Harsh Shah', 'Onasvee Banarse', 'Ankit Patil', 'Virat Kohli', 'MS Dhoni', 'Ravindra Jadeja', 'Smriti Mandhana', 'Lionel Messi', 'Cristiano Ronaldo', 'Neymar Jr', 'Saina Nehwal', 'Shrikanth Kidambi', 'PV Sindhu']

Cricket: ['Kaustubh Kabra', 'Ankit Patil', 'Virat Kohil', 'MS Dhoni', 'Ravindra Jadeja', 'Smriti Mandhana']

Badminton: ['Kaustubh Kabra', 'Harsh Shah', 'PV Sindhu', 'Shrikanth Kidambi', 'Saina Nehwal', 'Virat Kohli', 'MS Dhoni']

['Onasvee Banarse', 'Lionel Messi', 'Cristiano Ronaldo', 'Neymar Jr']

Number of students who play neither cricket nor badminton: 4

List of students who play neither cricket nor badminton: ['Onasvee Banarse', 'Lionel Messi', 'Cristiano Ronaldo', 'Neymar Jr']

/~~~~MENU~~~~~/

- 1. List of students who played both Cricket and Badminton
- 2. list of students who play either cricket or badminton but not both
- 3. Number of students who play neither cricket nor badminton
- 4. Number of student who play cricket and football but not badminton
- 5. Exit

Enter your choice: 4

Class: ['Kaustubh Kabra', 'Harsh Shah', 'Onasvee Banarse', 'Ankit Patil', 'Virat Kohli', 'MS Dhoni', 'Ravindra Jadeja', 'Smriti Mandhana', 'Lionel Messi', 'Cristiano Ronaldo', 'Neymar Jr', 'Saina Nehwal', 'Shrikanth Kidambi', 'PV Sindhu']

Cricket: ['Kaustubh Kabra', 'Ankit Patil', 'Virat Kohil', 'MS Dhoni', 'Ravindra Jadeja', 'Smriti Mandhana']

Badminton ['Kaustubh Kabra', 'Harsh Shah', 'PV Sindhu', 'Shrikanth Kidambi', 'Saina Nehwal', 'Virat Kohli', 'MS Dhoni']

Football ['Kaustubh Kabra', 'Onasvee Banarse', 'Lionel Messi', 'Cristiano Ronaldo', 'Neymar Jr', 'Virat Kohli', 'MS Dhoni', 'Ravindra Jadeja']

List of students who play cricket and football but not badminton:

['Onasvee Banarse', 'Ankit Patil', 'Ravindra Jadeja', 'Smriti Mandhana', 'Lionel Messi', 'Cristiano Ronaldo', 'Neymar Jr']

Number of students who play cricket and football but not badminton:

7 /~~~~MENU~~~~~/

- 1. List of students who played both Cricket and Badminton
- 2. list of students who play either cricket or badminton but not both
- 3. Number of students who play neither cricket nor badminton
- 4. Number of student who play cricket and football but not badminton
- 5. Exit

Enter your choice: 5

Wrong Choice, Please Choose Another Option

Process finished with exit code 0