Sets and Tuples:

Agenda for Today:

- Tuples
- Sets

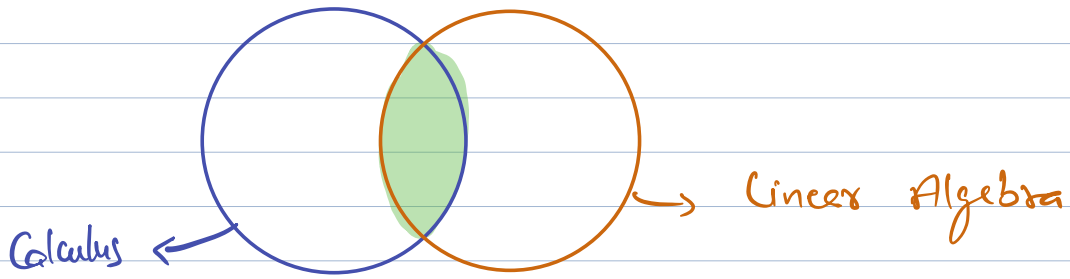
★ Tuples:

```
planets = ['Mercury', 'Venus', 'Earth', 'Mars',
           'Jupiter', 'Saturn', 'Neptune']
```

```
planets[2] = 'Rahul'
```

```
planets = ['Mercury', 'Venus', 'Rahul', 'Mars'
           ..... 'Neptune']
```

★ Intersection:

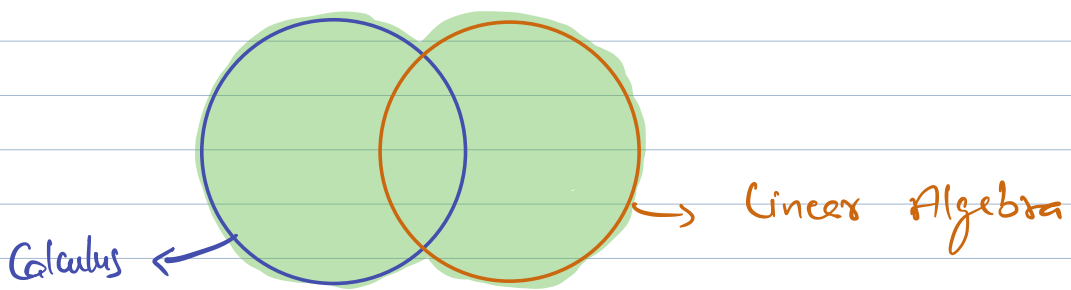


Calculus = { 'Rahul', 'Afifa', 'Renuka' }

Linear = { 'Akash', 'Amol', 'Rahul', 'Afifa' }

=> Calculus. intersection (Linear) => 'Rahul', 'Afifa'

★ Union:

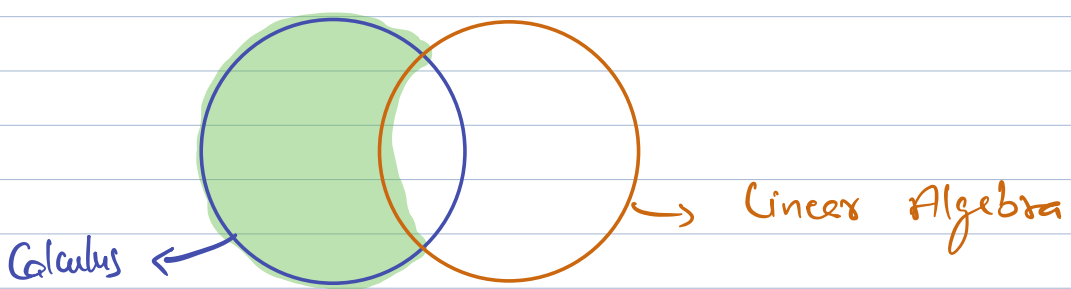


Calculus = { 'Rahul', 'Afifa', 'Renuka' }

Linear = { 'Akash', 'Amol', 'Rahul', 'Afifa' }

=> Calculus.union(Linear) : 'Rahul', 'Afifa', 'Renuka', 'Akash', 'Amol'

★ **Difference:**



Calculus = { 'Rahul', 'Afifa', 'Renuka' }

Linear = { 'Akash', 'Amol', 'Rahul', 'Afifa' }

=> Calculus.difference(Linear) => 'Renuka'

=> Linear.difference(Calculus) => 'Akash', 'Amol'

=> Calculus - Linear

=> Linear - Calculus