```
File Edit Shell Debug Options Window Help
   Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 ]
    bit (AMD64)] on win32
   Type "help", "copyright", "credits" or "license()" for more information.
>>>
   = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
   ule3 py\P45.py
   numbers to add: [10, 20, 30]
   sum of values: 60
   Name:- Keval Doshi
   Sap Id: - 53013240009
File Edit Shell Debug Options Window Help
    Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64
    bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
    ule3 py\P28.py
    The lists have at least one common element.
    Name: - Keval Doshi
   Sap Id: - 53013240009
```

```
| Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 bit (AMD64)] on win32 | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Type "help", "copyright", "credits" or "license()" for more information. | Sep 8 2024, 22:13:49) | Sep 8 2024, 22:13:49) | Type 8 2024, 22:13:49) | Type 8 2024, 22:13:49 | Type 8 2024, 22:
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Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>

= RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod ule3_py\P30.py
Original List: [10, 20, 30, 40, 50]
Cloned List using slicing: [10, 20, 30, 40, 50]
Cloned List using copy(): [10, 20, 30, 40, 50]
Name:- Keval Doshi
Sap Id:- 53013240009
```

```
File Edit Shell Debug Options Window Help
   Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 ]
    bit (AMD64)] on win32
   Type "help", "copyright", "credits" or "license()" for more information.
>>>
    = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
   ule3 py\P31.py
   Elements in list1 but not in list2: [1, 2, 3]
   Name:- Keval Doshi
   Sap Id:- 53013240009
 File Edit Shell Debug Options Window Help
     Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 ]
      bit (AMD64)] on win32
     Type "help", "copyright", "credits" or "license()" for more information.
 >>>
     = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
     ule3_py\P32.py
     Original List: [10, 20, 30, 40, 50]
     Reversed List is: [50, 40, 30, 20, 10]
     Name:- Keval Doshi
     Sap Id: - 53013240009
  File Edit Shell Debug Options Window Help
     Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 ]
      bit (AMD64)] on win32
      Type "help", "copyright", "credits" or "license()" for more information.
  >>>
      = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
     ule3_py\P33.py
     Original List: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
      Even numbers: [2, 4, 6, 8, 10]
     Odd numbers: [1, 3, 5, 7, 9]
     Name:- Keval Doshi
     Sap Id:- 53013240009
   File Edit Shell Debug Options Window Help
       Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64
       bit (AMD64)] on win32
       Type "help", "copyright", "credits" or "license()" for more information.
   >>>
       = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
       ule3_py\P34.py
       Sum of the list: 15
       Name:- Keval Doshi
       Sap Id: - 53013240009
    File Edit Shell Debug Options Window Help
       Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64
        bit (AMD64)] on win32
       Type "help", "copyright", "credits" or "license()" for more information.
       = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
       ule3 py\P35.py
       The list of numbers: [10, 15, 45, 60, 80]
       The second highest value is: 60
       Name: - Keval Doshi
       Sap Id:- 53013240009
```

```
File Edit Shell Debug Options Window Help
   Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 ]
    bit (AMD64)] on win32
   Type "help", "copyright", "credits" or "license()" for more information.
>>>
    = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
   ule3_py\P36.py
   Roll: 9
   name: KEVAL
   course: BSC IT
   average marks: 60.0
   Name:- Keval Doshi
   Sap Id: - 53013240009
    File Edit Shell Debug Options Window Help
       Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 *
        bit (AMD64)] on win32
       Type "help", "copyright", "credits" or "license()" for more information.
    >>>
       = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
       ule3 py\P37.py
       concatenated: ('apple', 'mango', 'banana', 'carrot', 'pea')
       repeated fruits: ('apple', 'mango', 'banana', 'apple', 'mango', 'banana')
       is apple in combined? True
       0 apple
       1 mango
       2 banana
       3 carrot
       4 pea
       Name:- Keval Doshi
       Sap Id: - 53013240009
    File Edit Shell Debug Options Window Help
        Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64
         bit (AMD64)] on win32
        Type "help", "copyright", "credits" or "license()" for more information.
    >>>
        = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
        ule3_py\P38.py
        Middle slice: (20, 30, 40)
        updated tuple: (10, 20, 33, 40, 50, 60)
        Name: - Keval Doshi
        Sap Id: - 53013240009
      File Edit Shell Debug Options Window Help
         Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 *
          bit (AMD64)] on win32
         Type "help", "copyright", "credits" or "license()" for more information.
      >>>
         = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
         ule3_py\P39.py
         sum: 13
         diff: 7
         prod: 30
         quotient: 3
         remainder: 1
         Name: - Keval Doshi
         Sap Id: - 53013240009
     >>>
```

```
File Edit Shell Debug Options Window Help
    Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64
    bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
    ule3_py\P40.py
    access safely: None
    removed: Keval
    all entries: {102: 'Charmi', 103: 'Sarika'}
    Name:- Keval Doshi
   Sap Id:- 53013240009
File Edit Shell Debug Options Window Help
   Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64
    bit (AMD64)] on win32
   Type "help", "copyright", "credits" or "license()" for more information.
>>>
   = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
   ule3 py\P41.py
   items: {'pen': 10, 'pencil': 5, 'book': 50}
   removed last item: ('eraser', 7)
   updated dict: {'pen': 12, 'pencil': 5, 'book': 50}
   Name:- Keval Doshi
   Sap Id:- 53013240009
 File Edit Shell Debug Options Window Help
     Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 1
      bit (AMD64)] on win32
     Type "help", "copyright", "credits" or "license()" for more information.
     = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
     ule3_py\P42.py
     word frequency: {'this': 2, 'is': 2, 'a': 2, 'test': 2, 'only': 1}
     Name:- Keval Doshi
     Sap Id:- 53013240009
 File Edit Shell Debug Options Window Help
     Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64]
     bit (AMD64)] on win32
     Type "help", "copyright", "credits" or "license()" for more information.
 >>>
     = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
     ule3_py\P43.py
     ascending: {'b': 1, 'c': 2, 'a': 3}
     descending: {'a': 3, 'c': 2, 'b': 1}
     Name:- Keval Doshi
     Sap Id:- 53013240009
    File Edit Shell Debug Options Window Help
       Python 3.13.0rc2 (tags/v3.13.0rc2:ec61006, Sep 6 2024, 22:13:49) [MSC v.1940 64 *
        bit (AMD64)] on win32
       Type "help", "copyright", "credits" or "license()" for more information.
        = RESTART: C:\Users\Keval Doshi\Desktop\Study materials\CODING\Python\pyhton\mod
       ule3 py\P44.py
       concatenated: {1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
       Name: - Keval Doshi
       Sap Id: - 53013240009
```