[Day-1 2211cs020162]Create a list,tuple and dictionary with 5 elements in it and how to access few elements based on the index.trywith different examples

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In [1]:    1  my_list = [10, 20, 38, 40, 58]
           2  print("List:", my_list)
           3  print("Element at index 2 in List:", my_list[2])
           4  print("Element at index -1 in List:", my_list[-1])
           5  my_tuple = (1.5, 2.5, 3.5, 4.5, 5.5)
           6  print("\nTuple:", my_tuple)
           7  print("Element at index 1 in Tuple:", my_tuple[1])
           8  print("Element at index -2 in Tuple:", my_tuple[-2])
           9  print("Element at index 4 in Tuple:", my_tuple[4])
          10  my_dict = {
          11      'name': "Alice",
          12      'age': 25,
          13      'city': "New York",
          14      'job': "Engineer",
          15      'is_student': False
          16  }
          17  print("\nDictionary:", my_dict)
          18  print("Value for 'name' key in Dictionary:", my_dict['name'])
          19  print("Value for 'age' key in Dictionary:", my_dict['age'])
          20  print("Value for 'city' key in Dictionary:", my_dict['city'])
```

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List: [10, 20, 38, 40, 58]
Element at index 2 in List: 38
Element at index -1 in List: 58

Tuple: (1.5, 2.5, 3.5, 4.5, 5.5)
Element at index 1 in Tuple: 2.5
Element at index -2 in Tuple: 4.5
Element at index 4 in Tuple: 5.5

Dictionary: {'name': 'Alice', 'age': 25, 'city': 'New York', 'job': 'Enginee
r', 'is_student': False}
Value for 'name' key in Dictionary: Alice
Value for 'age' key in Dictionary: 25
Value for 'city' key in Dictionary: New York
```

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In [ ]:    1
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