

1. Create a list variable and store 6 three digit integer values in it. Create another list which contains reverse elements of this list.
2. Use the following List functions in the above list:
  - a. First
  - b. isEmpty
  - c. isEmpty
  - d. Length
  - e. Last
  - f. Reverse
  - g. Single
  - h. add() // list.add(<element>);
  - i. addAll() //list.addAll([<element list separated by comma>]);
  - j. insert() //list.insert(<index>,<value>);
  - k. insertAll() //list\_names.insertAll(<index>, [<list\_of\_value>]);
  - l. replaceRange() //list\_names.replaceRange(int start\_val, int end\_val, [<list\_of\_value>]);
  - m. remove() //list\_names.remove(value)
  - n. removeAll() //list\_name.removeAt(int index)
  - o. removeLast() //list\_names.removeLast()
  - p. removeRange() //list\_names.removeRange(int start, int end);
3. Create the following set variables and perform the following operations:  
var a = <int>{10,11,12,13,14,15};  
var b = <int>{12,18,29,43};  
var c = <int>{2,5,10,11,32};
  - a. Union of a, b and c
  - b. Intersection of a and b
  - c. Difference of b and c