void main (){

  // QUESTION 01

  List namelist = ['Mohammad Saifuddin', 'Shabbir', 'Mohammad Ali', 'Adnan'];

  print(namelist);

  // QUESTION 02

  List Days = ['Sunday', 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday'];

print(Days[0]);

// QUESTION 03

Map studentdetail = {

  'name': 'Mohammad Saifuddin',

  'Class': '9th',

  'Roll no': '28048',

  'Grade' : 'A+',

  'Percentage': '90.25',

};

  print(studentdetail);

  // QUESTION 4

  List Number1 = [1,2,50,53,45,5,68,777,88,9,];

 Number1.sort();

 print(Number1);

print("Smallest value in the list : ${Number1.first}");

  print("Largest value in the list : ${Number1.last}");

  // QUESTION 5

 List<int> numbers = [15, 18, 7, 12, 14, 16];

int maxValue = numbers.reduce((a, b) => a > b ? a : b);

   print('The maximum value is: $maxValue');

  //  QUESTION 6

  print(Number1);

  var list2 = List.of(Number1.reversed);

  print(list2);

// QUESTION 7

List number2 = [-5,2,5,-8,55,65,88,9,-99];

List positivenum = number2.where((number2) => number2 >= 0).toList();

print(positivenum);

// SELF TASK

List mylist = ["Mohammadsaif", 0123456, "Saifuddin", 01223];

  print(mylist);

  print(mylist[3]);

  List mylist2 = [1, 2, 4, 6, 8, 10, 12];

  print(mylist2);

  mylist2[2] = 14;

  print(mylist2);

  mylist2.replaceRange(2, 5, [9]);

  print(mylist2);

  mylist2.replaceRange(1, 4, [5, 3, 4]);

  print(mylist2);

  mylist2.addAll([5, 8, 13, 14, 15, 16]);

  print(mylist2);

  mylist2.insertAll(6, [20, 22, 25, 28, 29, 30, 51, 55, 53, 52]);

  print(mylist2);

  var list3 = List.of(mylist2.reversed);

  print(list3);

  list3.remove(55);

  print(list3);

  list3.sort();

  print(list3);

}

