Given a list of numbers - List[Int] (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)

- find the sum of all numbers

- find the total elements in the list

- calculate the average of the numbers in the list

- find the sum of all the even numbers in the list

- find the total number of elements in the list divisible by both 5 and 3

**Scala Program:**

**def** main(args: Array[*String*])

{

**val** list= List(1, 2, 3, 4, 5, 6, 7, 8, 9, 10)

**var** sum=0

list.foreach(sum += \_)

println("Sum of all elements : "+sum);

println("The total elements in the list : "+list.length)

println("The average of the numbers in the list : "+(sum/list.length))

//even.foreach((element:Int) => print(element+",")) // iterate and print elements

**val** even=list.filter(\_%2==0)

**var** evenSum=0;

even.foreach((element:Int) => (evenSum=element+evenSum) )

println("The sum of all the even numbers : "+evenSum)

**val** divFiveOrThree=list.filter(x => x%5==0 && x%3==0)

println("The total number of elements in the list divisible by both 5 and 3 : "+divFiveOrThree.length)

}

**Output:**

