ACD\_BDD2.3\_Session\_16\_Assignment\_2

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

- find the total elements in the list

Val listrdd = List(1, 2, 3, 4, 5, 6, 7, 8, 9, 10)

Val totelem = listrdd.size

- find the sum of all numbers

Val datardd = listrdd.map(x=> x.split(“,”))

Val items = listrdd.map(x=>listrdd.indexof(x))

Val sumrdd = datardd.map(x=>items.map(i=>x(i).toDouble).sum).collect

- calculate the average of the numbers in the list

Val avgrdd = datardd.map(x=>items.map(i=>x(i).toDouble).sum / listrdd.size

).collect

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

Val evenrdd = datardd.map(x=> x%2 ==0)

Val sumeven = evenrdd.map((x,y)=> x+ y)

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

Val div35rdd = datardd.map(x=> (x%3 ==0 and X%5 ==0))