Challenge: Sum of Lists

Test yourself and implement what you have learned so far in this challenge.

Problem Statement

In this challenge, you need to create a recursive function `sum` which returns the total sum of the integers in a List.

> The provided skeleton code uses `match` and you are required to use the skeleton code. However, there is an alternate solution to this problem which we will discuss in the solution review.

Input

The input of the function is a List of integers `numberList`.

Output

The output will be the sum of all the integer in `numberList`.

Sample Input

```
List(1,2,3,4,5)
```

Sample Output

Test Yourself

Write your code in the given area. Try the exercise by yourself first, but if you get stuck, the solution has been provided. Good luck!

This code requires the following environment variables to execute:

LANG   C.UTF-8

```scala
def sum(numberList: List[Int]): Int = numberList match {
  // Write your code here

  case _ => -1 // Remove this line after writing your code
}
```

Let's go over the solution review in the next lesson.