Explain List.drop and List.dropRight

List.drop(Int)

elements.

List.drop(Int) returns a list without the first n elements. List.dropRight(Int) returns a list without the last n How do you print every line of a file?

val source = Source.fromFile(filename)
for(line <- source.getLines)
 println(line)</pre>

Explain how to append instead of prepend to a list.

Use ListBuffer then call toList.

Explain List.map

List.map(func)

Creates a list composed of the original elements run through a filter.

Explain List.::

Pronounced "cons", prepends an element to the list.

 $\textbf{Explain} \ \texttt{List.exists}$

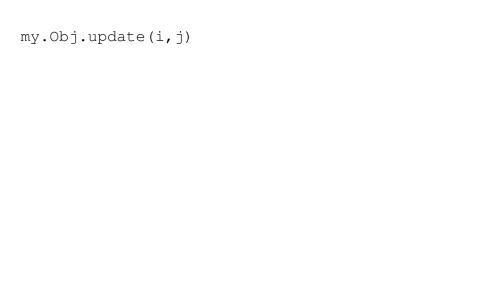
List.exists(func)

Determines whether an element of the list satisfies the func predicate.

Make a list using only cons.

1::2::3::Nil

myObj(i) = j is the same as what?



Explain List.foreach

List.foreach(func)

Executes func on every element of the list.

What is a tuple?

It's like an immutable list, but can contain objects of multiple types.

List.last returns a list without the first element.

List.tail returns only the last element.

Describe operator association.

Operators are methods of the *left* operand unless they end with:, in which case they are methods of the *right* operand.

Explain List.:::

Concatenates two Lists into a new list.

How are Arrays different from Lists?

Arrays are immutable and invariant. Lists are mutable and covariant.

Also, arrays aren't really Scala collections as they don't inherit

Explain List.mkString

List.mkString(str)
List.mkString() uses no separation.

Makes a String with elements of a List separated by the argument to mkString.

What is the first element of myTuple?

myTuple._1

Not myTuple._0

Explain List.forall

List.forall(func)

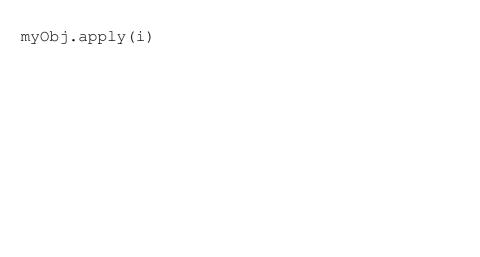
Returns whether all elements of the List satisfy the func predicate.

List.filter

List.filter(func)

Returns a List of all elements satisfying the func predicate.

What is myObj(i) the same as?



Explain List.head and List.init

List.head returns the first element.

List.init returns a List without the last element.