CASE PROGRAM – LIST COMPREHENSION

**Requires**

This keyword in a source file means that anyone who wants to

Use the source code via an import must specifically declare it using the keyword **satisfies** in the using source code.

import case.lang.System

namespace HelloWorld {

//String->Object->Main is a type constructor

String->Object->Main

#public class Program

@requires

[public Program(String [] args)

System.out.println(@texts:“Hello World”)

**//List Comprehensions**

//For example, let's say we need to create a list of integers which //specify the length of each word in a certain sentence, but only if the //word is not the word "the".

sentence = "the quick brown fox jumps over the lazy dog"

words = sentence.split()

word\_lengths = []

for word in words:

if word != "the":

word\_lengths.append(len(word))

Using a list comprehension, we could simplify this process to this notation:

sentence = "the quick brown fox jumps over the lazy dog"

words = sentence.split()

word\_lengths = [len(word) for word in words if word != "the"]

]