**Step1.**

PatriziodeMacBook-Pro:cs5500 Patrizio$ git config --list

core.excludesfile=~/.gitignore

core.legacyheaders=false

core.quotepath=false

core.pager=less

mergetool.keepbackup=true

push.default=simple

color.ui=auto

color.interactive=auto

repack.usedeltabaseoffset=true

include.path=~/.gitcinclude

include.path=.githubconfig

include.path=.gitcredential

diff.exif.textconv=exif

credential.helper=osxkeychain

user.name=p\_yang

user.email=patrizio0512@gmail.com

filter.lfs.required=true

filter.lfs.clean=git-lfs clean -- %f

filter.lfs.smudge=git-lfs smudge -- %f

filter.lfs.process=git-lfs filter-process

core.editor=vim

core.repositoryformatversion=0

core.filemode=true

core.bare=false

core.logallrefupdates=true

core.ignorecase=true

core.precomposeunicode=true

**Step2**.

ls .git/

HEAD config hooks info objects refs

branches description index logs packed-refs

**Step3**.

https: //course.ccs.neu.edu/cs5500

or

<https: //course.ccs.neu.edu/cs5500>

**Step4**.

#IDE stuff

.DS\_Store

.idea

# Temp files

dir\\*.temp

# Log Files

\*.log

# Package Files #

\*.jar

\*.war

\*.nar

\*.ear

\*.zip

\*.tar.gz

\*.rar

**Step 6**.

I only made one commit with message: “satisfying requirement one”.

[feature-1] :ls

Homework 1.iml homework1.docx out src test test.txt

[master]: ls

Homework 1.iml homework1.docx out test.txt

**Step 7**.

I only made one commit with message: “satisfying requirement change two”.

**Step 13**.

git diff master feature-1

diff --git a/Homework 1/src/AddTwoNumber.java b/Homework 1/src/AddTwoNumber.java

index a5d2fea..94b4d4a 100644

--- a/Homework 1/src/AddTwoNumber.java

+++ b/Homework 1/src/AddTwoNumber.java

@@ -1,12 +1,10 @@

-import java.util.List;

-

public interface AddTwoNumber {

/\*\*

- \* Takes in 2 integer and return an integer list that contains all the numbers in between

+ \* Takes in 2 integer and return an integer array that contains all the numbers in between

\* @param start starting number (exclusive)

\* @param end ending number (exclusive)

- \* @return an integer List

+ \* @return an int array

\*/

- List<Integer> addTwoNumber(int start, int end);

+ int[] addTwoNumber(int start, int end);

}

diff --git a/Homework 1/src/AddTwoNumberImpl.java b/Homework 1/src/AddTwoNumberImpl.java

index 02bfc9d..af11ee3 100644

--- a/Homework 1/src/AddTwoNumberImpl.java

+++ b/Homework 1/src/AddTwoNumberImpl.java

@@ -1,5 +1,3 @@

-import java.util.ArrayList;

-import java.util.List;

import java.util.Scanner;

/\*\*

@@ -10,14 +8,12 @@ public class AddTwoNumberImpl implements AddTwoNumber {

public AddTwoNumberImpl (){}

@Override

- public List<Integer> addTwoNumber(int start, int end) {

- List<Integer> result = new ArrayList<>();

+ public int[] addTwoNumber(int start, int end) {

+ int[] result = new int[end-start-1];

int cursor = start+1;

+ int count = 0;

while(cursor<end){

- if(cursor%2 ==0){

diff --git a/Homework 1/src/AddTwoNumber.java b/Homework 1/src/AddTwoNumber.java

index a5d2fea..94b4d4a 100644

--- a/Homework 1/src/AddTwoNumber.java

+++ b/Homework 1/src/AddTwoNumber.java

@@ -1,12 +1,10 @@

-import java.util.List;

-

public interface AddTwoNumber {

/\*\*

- \* Takes in 2 integer and return an integer list that contains all the numbers in between

+ \* Takes in 2 integer and return an integer array that contains all the numbers in between

\* @param start starting number (exclusive)

\* @param end ending number (exclusive)

- \* @return an integer List

+ \* @return an int array

\*/

- List<Integer> addTwoNumber(int start, int end);

+ int[] addTwoNumber(int start, int end);

}

diff --git a/Homework 1/src/AddTwoNumberImpl.java b/Homework 1/src/AddTwoNumberImpl.java

index 02bfc9d..af11ee3 100644

--- a/Homework 1/src/AddTwoNumberImpl.java

+++ b/Homework 1/src/AddTwoNumberImpl.java

@@ -1,5 +1,3 @@

-import java.util.ArrayList;

-import java.util.List;

import java.util.Scanner;

/\*\*

@@ -10,14 +8,12 @@ public class AddTwoNumberImpl implements AddTwoNumber {

public AddTwoNumberImpl (){}

@Override

- public List<Integer> addTwoNumber(int start, int end) {

- List<Integer> result = new ArrayList<>();

+ public int[] addTwoNumber(int start, int end) {

+ int[] result = new int[end-start-1];

int cursor = start+1;

+ int count = 0;

while(cursor<end){

- if(cursor%2 ==0){

- result.add(cursor)

git diff master feature-2

diff --git a/Homework 1/src/AddTwoNumberImpl.java b/Homework 1/src/AddTwoNumberImpl.java

index 02bfc9d..78e369a 100644

--- a/Homework 1/src/AddTwoNumberImpl.java

+++ b/Homework 1/src/AddTwoNumberImpl.java

@@ -14,7 +14,7 @@ public class AddTwoNumberImpl implements AddTwoNumber {

List<Integer> result = new ArrayList<>();

int cursor = start+1;

while(cursor<end){

- if(cursor%2 ==0){

+ if(cursor%2 !=0){

result.add(cursor);

}

cursor++;

diff --git a/Homework 1/test/AddTwoNumberImplTest.java b/Homework 1/test/AddTwoNumberImplTest.java

index 83f459d..07e8eb5 100644

--- a/Homework 1/test/AddTwoNumberImplTest.java

+++ b/Homework 1/test/AddTwoNumberImplTest.java

@@ -12,7 +12,8 @@ public class AddTwoNumberImplTest {

assertEquals(0, test1.size());

List<Integer> test2 = addTwoNumber.addTwoNumber(0,6);

- assertTrue(test2.get(0) == 2);

- assertTrue(test2.get(1) == 4);

+ assertTrue(test2.get(0) == 1);

+ assertTrue(test2.get(1) == 3);

+ assertTrue(test2.get(2) == 5);

}

}

git diff master feature-3

(empty)

**Step 14.**

git diff master feature-1

diff --git a/Homework 1/src/AddTwoNumber.java b/Homework 1/src/AddTwoNumber.java

index a5d2fea..94b4d4a 100644

--- a/Homework 1/src/AddTwoNumber.java

+++ b/Homework 1/src/AddTwoNumber.java

@@ -1,12 +1,10 @@

-import java.util.List;

-

public interface AddTwoNumber {

/\*\*

- \* Takes in 2 integer and return an integer list that contains all the numbers in between

+ \* Takes in 2 integer and return an integer array that contains all the numbers in between

\* @param start starting number (exclusive)

\* @param end ending number (exclusive)

- \* @return an integer List

+ \* @return an int array

\*/

- List<Integer> addTwoNumber(int start, int end);

+ int[] addTwoNumber(int start, int end);

}

diff --git a/Homework 1/src/AddTwoNumberImpl.java b/Homework 1/src/AddTwoNumberImpl.java

index 78e369a..af11ee3 100644

--- a/Homework 1/src/AddTwoNumberImpl.java

+++ b/Homework 1/src/AddTwoNumberImpl.java

@@ -1,5 +1,3 @@

-import java.util.ArrayList;

-import java.util.List;

import java.util.Scanner;

/\*\*

@@ -10,14 +8,12 @@ public class AddTwoNumberImpl implements AddTwoNumber {

public AddTwoNumberImpl (){}

@Override

- public List<Integer> addTwoNumber(int start, int end) {

- List<Integer> result = new ArrayList<>();

+ public int[] addTwoNumber(int start, int end) {

+ int[] result = new int[end-start-1];

int cursor = start+1;

+ int count = 0;

while(cursor<end){

- if(cursor%2 !=0){

- result.add(cursor);

- }

- cursor++;

+ result[count++] = cursor++;

}

return result;

}

@@ -30,7 +26,7 @@ public class AddTwoNumberImpl implements AddTwoNumber {

int end = reader.nextInt();

reader.close();

- List<Integer> toprint = addTwoNumber(start, end);

+ int[] toprint = addTwoNumber(start, end);

for(int num: toprint){

System.out.print(num);

diff --git a/Homework 1/test/AddTwoNumberImplTest.java b/Homework 1/test/AddTwoNumberImplTest.java

index 07e8eb5..bc60b59 100644

--- a/Homework 1/test/AddTwoNumberImplTest.java

+++ b/Homework 1/test/AddTwoNumberImplTest.java

@@ -1,5 +1,3 @@

-import java.util.List;

-

import static org.junit.Assert.\*;

public class AddTwoNumberImplTest {

@@ -8,12 +6,10 @@ public class AddTwoNumberImplTest {

@org.junit.Test

public void addTwoNumber() {

- List<Integer> test1 = addTwoNumber.addTwoNumber(0,1);

- assertEquals(0, test1.size());

+ int[] test1 = addTwoNumber.addTwoNumber(0,1);

+ assertEquals(0, test1.length);

- List<Integer> test2 = addTwoNumber.addTwoNumber(0,6);

- assertTrue(test2.get(0) == 1);

- assertTrue(test2.get(1) == 3);

- assertTrue(test2.get(2) == 5);

+ int[] test2 = new int[]{1,2,3,4,5};

+ assertArrayEquals(test2, addTwoNumber.addTwoNumber(0,6));

}

}

git diff master feature-2

(empty)

PatriziodeMacBook-Pro:Homework 1 Patrizio$ git diff master feature-3

diff --git a/Homework 1/src/AddTwoNumberImpl.java b/Homework 1/src/AddTwoNumberImpl.java

index 78e369a..02bfc9d 100644

--- a/Homework 1/src/AddTwoNumberImpl.java

+++ b/Homework 1/src/AddTwoNumberImpl.java

@@ -14,7 +14,7 @@ public class AddTwoNumberImpl implements AddTwoNumber {

List<Integer> result = new ArrayList<>();

int cursor = start+1;

while(cursor<end){

- if(cursor%2 !=0){

+ if(cursor%2 ==0){

result.add(cursor);

}

cursor++;

diff --git a/Homework 1/test/AddTwoNumberImplTest.java b/Homework 1/test/AddTwoNumberImplTest.java

index 07e8eb5..83f459d 100644

--- a/Homework 1/test/AddTwoNumberImplTest.java

+++ b/Homework 1/test/AddTwoNumberImplTest.java

@@ -12,8 +12,7 @@ public class AddTwoNumberImplTest {

assertEquals(0, test1.size());

List<Integer> test2 = addTwoNumber.addTwoNumber(0,6);

- assertTrue(test2.get(0) == 1);

- assertTrue(test2.get(1) == 3);

- assertTrue(test2.get(2) == 5);

+ assertTrue(test2.get(0) == 2);

+ assertTrue(test2.get(1) == 4);

}

}