Homework 1

STEP 1:

1. **$ git config --global user.name**

   Meghna

2. **$ git config --global user.email**

   venkatesha.m@huksy.neu.edu

3. **$ git config --global core.editor**

   eclipse

4. **$ git config --list**

   core.symlinks=false

   core.autocrlf=true

   core.fscache=true

   color.diff=auto

   color.status=auto

   color.branch=auto

   color.interactive=true

   help.format=html

   rebase.autosquash=true

   http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt

   http.sslbackend=openssl

   diff.astextplain.textconv=astextplain

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

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

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

   filter.lfs.required=true

   credential.helper=manager

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

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

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

   filter.lfs.required=true

user.name=Meghna

user.email=venkatesha.m@huksy.neu.edu

STEP 2:

The files and directories in the .git directory are:

1. **$ ls -a**

   ./ .gitignore   config   FETCH_HEAD hooks/ info/ objects/ packed-refs

   ../ COMMIT_EDITMSG description HEAD   index logs/ ORIG_HEAD refs/

2. **cd .git/**

   $ ls

   COMMIT_EDITMSG description HEAD   index logs/   ORIG_HEAD   refs/

   config   FETCH_HEAD hooks/ info/ objects/ packed-refs

STEP 3:

Using markdown we can display the link to course web page as follows:

[Course Page](https://course.ccs.neu.edu/cs5500)

STEP 4:

1. **$ git add .gitignore**

   $ git commit -m "Setting up gitignore"

2. The following rules are in my .gitignore

   #Logs#

   ########

   *.log

   #Backup files generated by text editors#

   ##

   *.pyo

   *.pyc

   *~

STEP 6:

1. All the commits made on Feature-1 branch:

   $ git commit -m "satisfying requirement one"

   [feature-1 971f819] satisfying requirement one

   4 files changed, 108 insertions(+), 1 deletion(-)

   create mode 100644 Homework 1/src/NumberSeries.java

   create mode 100644 Homework 1/src/PrintNumbers.java

   delete mode 100644 Homework 1/test.txt

   create mode 100644 Homework 1/test/PrintNumbersTest.java

   $ git log

   commit 971f819661a79b7d8122e1ee96d2e1d59950385d (HEAD -> feature-1)

   Author: Meghna <venkatesha.m@huksy.neu.edu>

   Date: Wed Sep 12 15:55:51 2018 -0400

       satisfying requirement one

   commit 9fe5d4e3ebfa94e5e941684c2e91b0f911cf4ed3 (origin/master, origin/feature-1, origin/HEAD, master)

   Author: Meghna <venkatesha.m@huksy.neu.edu>

   Date: Mon Sep 10 12:10:37 2018 -0400

       setting up gitignore

   commit 94b86e38fcaa60d6ec36da990f1527a90f4e52f6

   Author: meghnavenkatesha <venkatesha.m@husky.neu.edu>

   Date: Mon Sep 10 09:45:49 2018 -0400

       Updated README.md

   commit 2e266d83290cc0e993b8605b2995a595f0d00bdc

Author: meghnavenkatesha <venkatesha.m@husky.neu.edu>

Date: Mon Sep 10 09:36:35 2018 -0400

2. Files and sub-directories under Homework 1 in Feature-1 branch:

$ ls

src/   test/

Moving to Master branch:

$ git checkout master

Switched to branch 'master'

Your branch is up to date with 'origin/master'.

3. Files and sub-directories under Homework 1 in Master branch:

$ ls

test.txt

STEP 10:

Commits made on feature-2 branch are:

1. **$ git commit -m "satisfying requirement change two"**

    [feature-2 6b6016d] satisfying requirement change two

    1 file changed, 3 insertions(+), 1 deletion(-)

2. **$ git log**

    commit 6b6016d025a08c591cb1a84887080abb75905dda (HEAD -> feature-2, origin/feature-2)

    Author: Meghna <venkatesha.m@huksy.neu.edu>

    Date: Wed Sep 12 16:55:08 2018 -0400

            satisfying requirement change two

commit 971f819661a79b7d8122e1ee96d2e1d59950385d (origin/master, origin/feature-3, origin/feature-1, origin/HEAD, master, feature-3, feature-1)

Author: Meghna <venkatesha.m@huksy.neu.edu>

Date: Wed Sep 12 15:55:51 2018 -0400

        satisfying requirement one

commit 9fe5d4e3ebfa94e5e941684c2e91b0f911cf4ed3

Author: Meghna <venkatesha.m@huksy.neu.edu>

Date: Mon Sep 10 12:10:37 2018 -0400

        setting up gitignore

commit 94b86e38fcaa60d6ec36da990f1527a90f4e52f6

Author: meghnavenkatesha <venkatesha.m@husky.neu.edu>

Date: Mon Sep 10 09:45:49 2018 -0400

STEP 13:

1. Difference between master and feature-1 branch are:

$ git diff master..feature-1

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

index 6c2d502..e255d93 100644

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

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

@@ -34,9 +34,7 @@ public class PrintNumbers implements NumberSeries {

                public List<Integer> range(int beg,int end){

                        List<Integer> in = new ArrayList<>(); //Stores integer number

                        for(int i=beg+1;i<end;i++) {

-               if(i%2==0) { // changes to print even numbers

-                       in.add(i);

-               }

```
+                       in.add(i);
                              }
                              return in;
              }
```

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

index 2e37ed6..34b6b20 100644

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

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

@@ -23,18 +23,21 @@ public class PrintNumbersTest {

2. Difference between master and feature-2 branch are:

$ git diff master..feature-2

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

index 6c2d502..b61757d 100644

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

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

@@ -34,7 +34,7 @@ public class PrintNumbers implements NumberSeries {

```
              public List<Integer> range(int beg,int end){
                              List<Integer> in = new ArrayList<>(); //Stores integer
                              number
                              for(int i=beg+1;i<end;i++) {
-              if(i%2==0) { // changes to print even numbers
+               if(i%2!=0) { // changes to print odd numbers
                                              in.add(i);
                              }
                              }
```

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

index 2e37ed6..19e0012 100644

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

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

@@ -30,10 +30,10 @@ public class PrintNumbersTest {

List<Integer> test1 = Arrays.asList();

assertThat (test.range(second, first),is(test1)); // test for be:

3. Difference between master and feature-3 branch are:

$ git diff master..feature-3

No output since master and feature-3 are the same.

STEP 14:

1. Difference between master and feature-1 branch are:

$ git diff master..feature-1

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

deleted file mode 100644

index b61757d..0000000

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

+++ /dev/null

@@ -1,45 +0,0 @@

-package hw1;

-import java.util.*;

-

-/**

- *

- * @author meghna

- *

- */

-

-/*

- * Problem Statement: Given 2 numbers,

- * print all the numbers that exist between the given 2 numbers,

- * excluding the given number

```
- */
-
-public class PrintNumbers implements NumberSeries {
-       /**
:...skipping...
diff --git a/Homework 1/src/PrintNumbers.java b/Homework 1/src/PrintNumbers.java
deleted file mode 100644
index b61757d..0000000
--- a/Homework 1/src/PrintNumbers.java
+++ /dev/null
@@ -1,45 +0,0 @@
-package hw1;
-import java.util.*;
-
-/**
- *
- * @author meghna
- *
- */
-
-/*
- * Problem Statement: Given 2 numbers,
- * print all the numbers that exist between the given 2 numbers,
- * excluding the given number
- */
-
-public class PrintNumbers implements NumberSeries {
-       /**
-        *
-        * @param args
-        */
```

```java
-    public static void main(String args[]) {
-        int n1,n2;
-        PrintNumbers num = new PrintNumbers();
-        Scanner input = new Scanner(System.in);
-        System.out.println("Enter the first number:");
-        n1=input.nextInt();
-        System.out.println("Enter the second number:");
-        n2=input.nextInt();
-        List<Integer> newList = new ArrayList<>(); //List that replicates num
-        newList = num.range(n1, n2);
-        System.out.println(newList);
-    }
-
-    public List<Integer> range(int beg,int end){
-        List<Integer> in = new ArrayList<>(); //Stores integer number
-        for(int i=beg+1;i<end;i++) {
-            if(i%2!=0) { // changes to print odd numbers
-                in.add(i);
-            }
-        }
-        return in;
-    }
-
:
diff --git a/Homework 1/src/PrintNumbers.java b/Homework 1/src/PrintNumbers.java
deleted file mode 100644
index b61757d..0000000
--- a/Homework 1/src/PrintNumbers.java
+++ /dev/null
@@ -1,45 +0,0 @@
-package hw1;
```

```
-import java.util.*;
-
-/**
- *
- * @author meghna
- *
- */
-
-/*
- * Problem Statement: Given 2 numbers,
- * print all the numbers that exist between the given 2 numbers,
- * excluding the given number
- */
-
-public class PrintNumbers implements NumberSeries {
-       /**
:
diff --git a/Homework 1/src/PrintNumbers.java b/Homework 1/src/PrintNumbers.java
deleted file mode 100644
index b61757d..0000000
--- a/Homework 1/src/PrintNumbers.java
+++ /dev/null
@@ -1,45 +0,0 @@
-package hw1;
-import java.util.*;
-
-/**
- *
- * @author meghna
- *
- */
```

```
-
-/*
- * Problem Statement: Given 2 numbers,
- * print all the numbers that exist between the given 2 numbers,
- * excluding the given number
- */
-
-public class PrintNumbers implements NumberSeries {
-     /**
-      *
-      * @param args
-      */
-     public static void main(String args[]) {
-             int n1,n2;
-             PrintNumbers num = new PrintNumbers();
-             Scanner input = new Scanner(System.in);
-             System.out.println("Enter the first number:");
-             n1=input.nextInt();
-             System.out.println("Enter the second number:");
-             n2=input.nextInt();
-             List<Integer> newList = new ArrayList<>(); //List that replicates num
-             newList = num.range(n1, n2);
-             System.out.println(newList);
-     }
-
-     public List<Integer> range(int beg,int end){
-             List<Integer> in = new ArrayList<>(); //Stores integer number
-             for(int i=beg+1;i<end;i++) {
-                     if(i%2!=0) { // changes to print odd numbers
-                             in.add(i);
-                     }
```

-         }

-            return in;

-     }

2. Difference between master and feature-2 branch are:

   $ git diff master..feature-2

   No output since master and feature-2 are the same.

3. Difference between master and feature-3 branch are:

   $ git diff master..feature-3

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

   deleted file mode 100644

   index b61757d..0000000

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

   +++ /dev/null

   @@ -1,45 +0,0 @@

   -package hw1;

   -import java.util.*;

   -

   -/**

   - *

   - * @author meghna

   - *

   - */

   -

   -/*

   - * Problem Statement: Given 2 numbers,

   - * print all the numbers that exist between the given 2 numbers,

   - * excluding the given number

   - */

   -

   -public class PrintNumbers implements NumberSeries {

```java
/**
 *
 * @param args
 */
public static void main(String args[]) {
    int n1,n2;
    PrintNumbers num = new PrintNumbers();
    Scanner input = new Scanner(System.in);
    System.out.println("Enter the first number:");
    n1=input.nextInt();
    System.out.println("Enter the second number:");
    n2=input.nextInt();
    List<Integer> newList = new ArrayList<>(); //List that replicates num
    newList = num.range(n1, n2);
    System.out.println(newList);
}

public List<Integer> range(int beg,int end){
    List<Integer> in = new ArrayList<>(); //Stores integer number
    for(int i=beg+1;i<end;i++) {
        if(i%2!=0) { // changes to print odd numbers
            in.add(i);
        }
    }
    return in;
}
```

(**Note**: I accidentally deleted PrintNumbers.java file on masters and the merged it with revert-feature-3, hence the huge difference while checking the difference between the master and other branches in question 14)