Assignment 6

Requirements

Create a class called **ThreadExtend** which extends Thread class. Create a parameterized constructor for this class which will take input as a String. Define *run()* method for this class which will run the loop for 5 times and print the name of String passed to its constructor. Once it has run successfully print a message for successful completion of the execution.

Similarly create a new class called **ThreadRunnable** which implements runnable interface and has a thread variable defined in it. Similarly define the *run()* method which will run the loop for 5 times and print the name which was passed to the parametrized constructor. Once it has run successfully print a message for successful completion of the execution.

Create a new class **FirstInitialLastNameHW6** which has *main()* method defined in it. Accept 2 Strings from user and pass the accepted Strings to the 2 objects of each of thread classes. Then run the threads for both the classes.

A sample input/output is provided below your sequence of execution may be different:

```
Enter String 1 :
Bucky
Enter String 2 :
Bronco
Thread Execution using Extends Thread
Thread Execution using Implements Runnable
Extends Loop 0: Bucky
Extends Loop 1: Bucky
Extends Loop 2: Bucky
Extends Loop 3: Bucky
Extends Loop 4: Bucky
Test Finished for Extends: Bucky
Implements Loop 0: Bucky
Implements Loop 0: Bronco
Extends Loop 0: Bronco
Implements Loop 1: Bronco
Implements Loop 1: Bucky
Implements Loop 2: Bronco
Extends Loop 1: Bronco
Implements Loop 3: Bronco
Implements Loop 2: Bucky
Implements Loop 4: Bronco
Extends Loop 2: Bronco
Test Finished for Implements: Bronco
Implements Loop 3: Bucky
Implements Loop 4: Bucky
Test Finished for Implements: Bucky
Extends Loop 3: Bronco
```

```
Extends Loop 4: Bronco
Test Finished for Extends: Bronco
```

Notes

- Credit will not be given for the code that does not compile. Use indentations for legibility, and comment your work (the more the better; also include a class header) so it is understandable to others. Code style, structure, and efficiency also impact your score.
- ***Copy the ThreadExtend and ThreadRunnable class into FirstInitialLastNameHW6 class. Submit only FirstInitialLastNameHW6.java file.***
- Please note no late submissions will be accepted. Do include meaningful comments wherever needed and do follow the indentation rules. Good documentation increases the readability of code.
- This file can be found in the corresponding project folder within your **workspace.** If you are unfamiliar with your current workspace, you can check it (or change it) using **File > Switch Workspace.** Within your workspace folder there will be a folder for each project you have created. Within each project folder, there will be a folder called **src**, which contains the source file(s) needed for submission.

Good Luck ☺