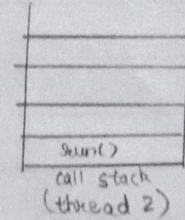
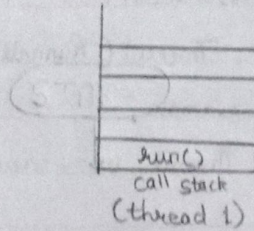
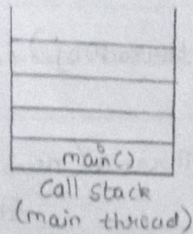


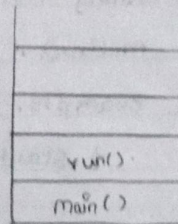
Practical No. 14

Aim : Create, debug and run java programs based on threads by extending thread class.

Diagram:



run() invoked by start() method



run() invoked directly from main method.

Practical No. 4324

Aim : Create, debug and run Java programs based on threads by extending Thread class.

Theory :

What is Thread class?

- java.lang.Thread is a class that is to be extended by a class whose objects are to be treated as threads.
- Java provides a thread class that has various method calls in order to manage the behaviour of the threads by providing constructors and methods to perform operations on threads.
- Thread class is used in cases where there is no need of extending any other class than the thread class.

What are the steps to create a class by extending thread class?

→ Step 1:

You need to override the run() method available in the Thread class. This method, i.e run() provides an entry point for the thread and the code to be executed by thread should go here.

Syntax :

@Override

```
public void run() {
```

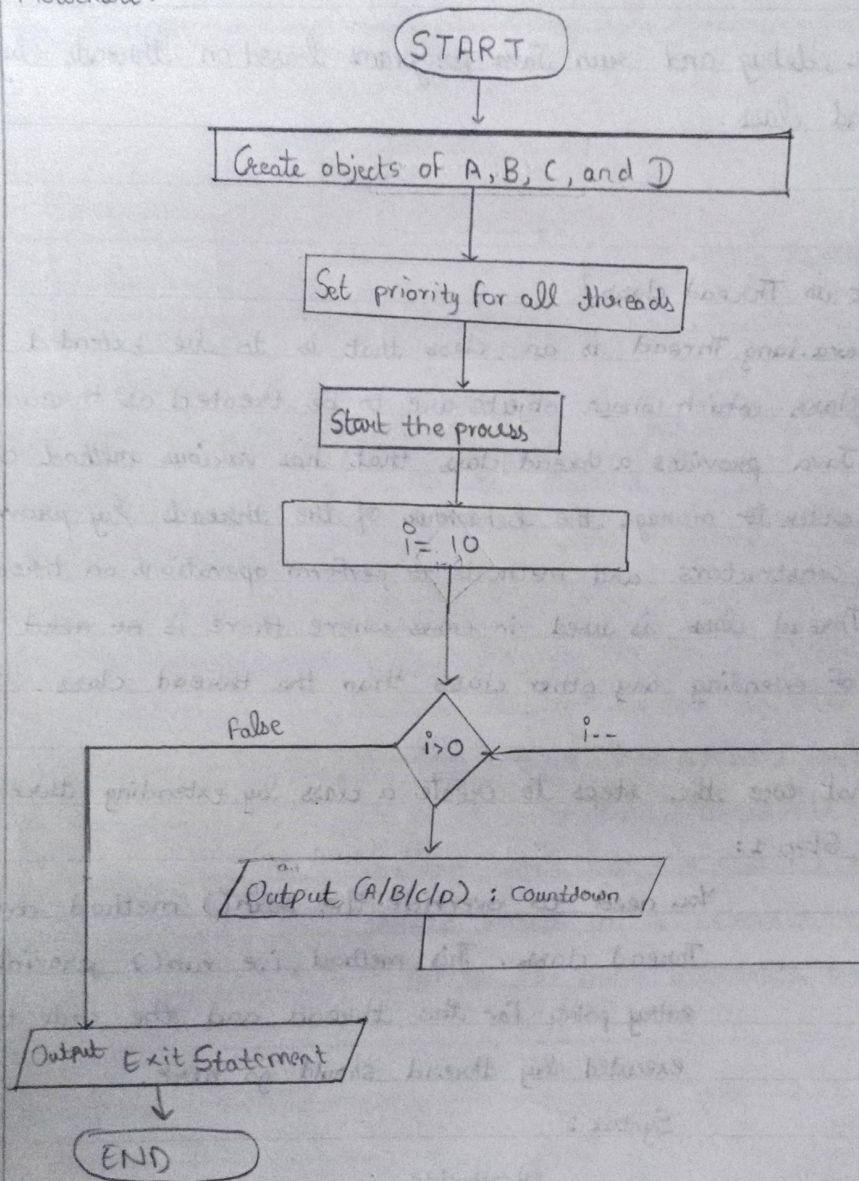
```
// Line of code(s).
```

```
}
```

Step 2:

Once the object of thread class is created, you can start it by calling the start() method.

Flowchart:



Conclusion:

Hence, by performing this practical I got to learn about how to create java programs which can perform multithreading by extending thread classes. I also created, debugged and executed java programs based on the concept of threads by extending classes.