Aim: Greate, debug, and Jun java programs based on Threads by of implementing Runnable interface.

Aim: Greate, debug and Jun java programs based on Threads by extending implementing Runnable interface.

Theory:

What is sumable interface?

- " java long. Runnable is an interface that is to be treated by a class whose instances are intended to be executed by a thread.
- · Runnable interface has only one function it in it, which has to be overidden in the class that implements Runnable interface. This Function is the sun public void suntifunction.
- · Runnable interface is used in conditions where a class has to extend another class, as java doesn't support extending multiple classes, so in such cases Runnable interface is used

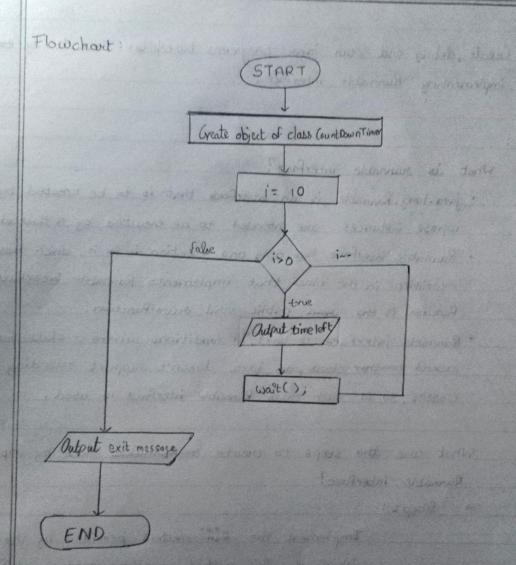
What are the steps to create a Runnable class by implementing Runnable interface?

- Step1:

Implement the fun method provided by the Romable interface. This method provides entry point for the thread and you will the code part for the thread ques in it .

Syntax:

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Conclusion

Hence, by performing this practical I leavent about the concept of creating threads by using Runnable interfoce. I also created, developed and executed java programs Isased on threads by implementing Runnable interface:

Code:

```
class CountdownTimer implements Runnable{
        String name;
        int ms;
        CountdownTimer(String name, int ms){
            this.name = name;
            this.ms = ms;
        synchronized public void run() {
            for(int i = 10; i > 0; i--){
                System.out.println(name + " : " + i);
                try {
                    wait(ms);
                }catch (Exception e){
                    System.out.println(e);
            System.out.println("Exiting " + name);
    }
class Practical13{
   public static void main(String[] args) {
        CountdownTimer c1 = new CountdownTimer("Timer 1",1000);
        CountdownTimer c2 = new CountdownTimer("Timer 2",750);
        Thread t1 = new Thread(c1);
        Thread t2 = new Thread(c2);
        t1.start();
        t2.start();
```

Output:

Step 2:

Instantiate the object of thread using the following constructor.

Thread (Runnable thread Obj);

example,

Thread t = new Thread (new Class Runnable ());

Class Run

Step 3:

Once the thread is created, you can start it by calling the start method, which executes call to run method.

example.

t. start();

Conclusion:

Hence, by performing this practical I leavest about the concept of creating threads to by using Runnable interface. I also created, developed and executed java program based on Threads by implementing Runnable interface.