# **Experiment no.11**

Aim: Implementation of Runnable Interface.

```
Program A):-
Input:-
package com.AJPExperiments;
class MyRunnableThread implements Runnable {
  public static int myCount =8;
  public MyRunnableThread(){
  public void run(){
    while(MyRunnableThread.myCount>=0){
       try{
         System.out.println("Expl Thread: "+(--MyRunnableThread.myCount));
         Thread.sleep(100);
       }catch (InterruptedException iex){
         System.out.println("Exception in thread: "+iex.getMessage());
     }
  }
}
class RunMyThread{
  public static void main(String args[]){
    System.out.println("Starting Main Thread...");
    MyRunnableThread mrt = new MyRunnableThread();
    Thread t = new Thread(mrt);
    t.start();
    while(MyRunnableThread.myCount>=0){
         System.out.println("Main Thread: "+(--MyRunnableThread.myCount));
         Thread.sleep(100);
       }catch(InterruptedException iex){
         System.out.println("Exception in main thread: "+iex.getMessage());
    System.out.println("End of Main Thread...");
}
```

## Output:-

```
.encoding=UTF-8 -classpath C:\Users\manis\IdeaProjects\A
       Starting Main Thread...
       Main Thread: 7
       Expl Thread: 6
       Main Thread: 5
       Expl Thread: 4
       Main Thread: 3
       Expl Thread: 2
       Main Thread: 1
       Expl Thread: 0
       Main Thread: -1
       End of Main Thread...
       Process finished with exit code 0

    Version Control
    Run
    ■ TODO

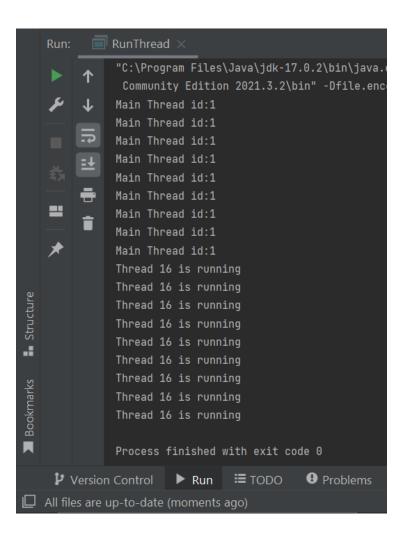
                            Problems
                                      ☑ Terminal 			 Suild
```

### Program B):-

#### Input:-

```
package com.AJPExperiments;
class MultiThread implements Runnable{
  public void run(){
    for(int i=0; i<9; i++){
       System.out.println("Thread " + Thread.currentThread().getId()+" is running");
     }
  }
}
class RunThread{
  public static void main(String args[]){
    Thread object = new Thread(new MultiThread());
    object.start();
    for(int i = 0; i < 9;i++){
       System.out.println("Main Thread id:"+Thread.currentThread().getId());
     }
  }
}
```

### Output:-



Practical Performance (4)	Writeup & Oral (4)	Attendance (2)	Total (10)