Assignment On Thread

Patil Rohit Kalyan

2201149

1)create thread Using Extends Thread

```java
public class FactorialThread extends Thread
{
        int n,f;
        FactorialThread()
        {
                f=1;//for factorial
                //start();
        }
        public void run()
        {
try
                {
                        sleep(1000);
                        for(int i=1;i<=n;i++)
                        {
                                f=f*i;
                        }
                        System.out.println("factorial is:"+f);
                }
                catch(Exception e)
                {
                        System.out.println(e);
                }
        }
}
```

Main class

```java
import java.io.BufferedReader;
import java.io.IOException; import
java.io.InputStreamReader;

  public class
FactMain
{   public static void main(String[] args) throws NumberFormatException,
IOException
        {
                BufferedReader br=new BufferedReader(new InputStreamReader(System.in));
                FactorialThread t=new FactorialThread();
                System.out.print("enter a number:");
t.n=Integer.parseInt(br.readLine());
                t.start();

        }

}
```

2)Implemeting Runnable interface

```java
 public class ImplemntingRunnable  implements
Runnable
{
      public void run()
      {
            for(int i=0;i<5;i++)
            {
                  System.out.println("Mythread:"+i);
                  try
                  {
                  Thread.sleep(1000);
                  }
                  catch(Exception e)
                  {
                        System.out.println(e);
                  }
            }
      }
      public static void main(String args[])
      {
            ImplemntingRunnable imp=new ImplemntingRunnable();
             Thread t=new Thread(imp);//runnable doesn't contain start method so we
            create Thread object
            t.start();
      }
}
```