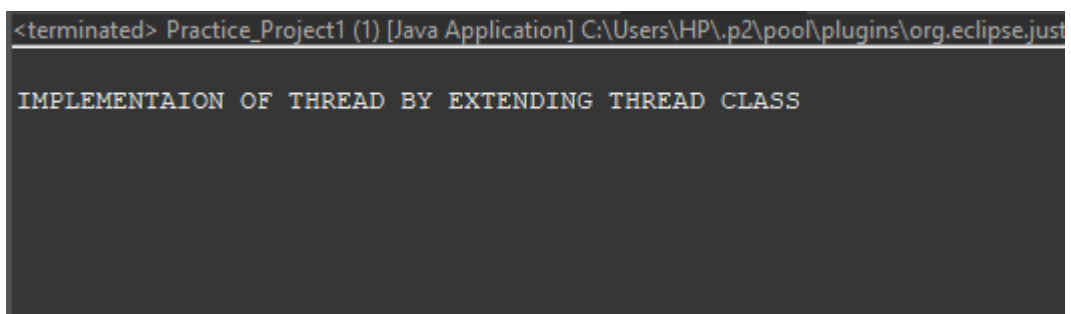


1. Write a program in Java to create a thread by extending the 'Thread' class and by implementing the "Runnable" interface

SOURCE CODE

```
//implementation of thread by extending thread class
package assistedPracticeProject2;
import java.lang.*; //importing packages
public class Practice_Project1 extends Thread //extending thread class
{
    public void run()
    {
        System.out.println("\nIMPLEMENTAION OF THREAD BY EXTENDING
THREAD CLASS ");
    }
    public static void main(String[] args)
    {
        Practice_Project1 thread1=new Practice_Project1(); //creating class
object
        thread1.start(); //starting thread using object
    }
}
```

OUTPUT

A screenshot of a Java application window titled "<terminated> Practice_Project1 (1) [Java Application] C:\Users\HP\p2\pool\plugins\org.eclipse.just". The window has a dark background and displays the output text "IMPLEMENTAION OF THREAD BY EXTENDING THREAD CLASS" in a light-colored, monospaced font.

//implementation of thread by implementing runnable interface

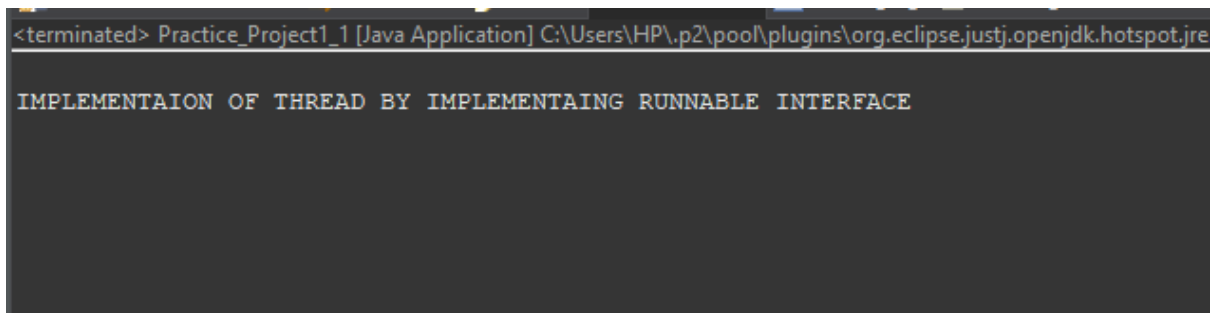
```
package assistedPracticeProject2;
import java.lang.*; //importing packages
public class Practice_Project1_1 implements Runnable
{
    public void run()
```

```

        {
            System.out.println("\nIMPLEMENTAION    OF    THREAD    BY
IMPLEMENTAING RUNNABLE INTERFACE ");
        }
        public static void main(String[] args)
        {
            Practice_Project1_1 thread2=new Practice_Project1_1(); //creating
class object
            Thread th1=new Thread(thread2); //passing class object to thread
constructor
            th1.start();
        }
    }
}

```

OUTPUT



The screenshot shows a Java application window titled "<terminated> Practice_Project1_1 [Java Application] C:\Users\HP\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre". The output area displays the text "IMPLEMENTAION OF THREAD BY IMPLEMENTAING RUNNABLE INTERFACE" in all caps.

```

<terminated> Practice_Project1_1 [Java Application] C:\Users\HP\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre
IMPLEMENTAION OF THREAD BY IMPLEMENTAING RUNNABLE INTERFACE

```