

#Assignment 10:

Github Link: <https://github.com/Miraat/Thread-Working-demonstratuon>

#Code: Mainthreaddemo.java

```
/*
Name: [Your Name]
PRN: [Your PRN]
Batch: [Your Batch]
*/

public class MainThreadDemo {
    public static void main(String[] args) {
        // Creating thread objects
        Thread t1 = new Thread(new PrintEven());
        Thread t2 = new Thread(new PrintOdd());
        Thread t3 = new Thread(new PrintMessage());

        // Starting threads
        t1.start();
        t2.start();
        t3.start();
    }
}
```

#Code: Printeven.java

```
// Thread to print even numbers from 0 to 10
public class PrintEven implements Runnable {
    public void run() {
        for (int i = 0; i <= 10; i += 2) {
            System.out.println("Even: " + i);
            try {
                Thread.sleep(100); // Pause for visibility
            } catch (InterruptedException e) {
                e.printStackTrace();
            }
        }
    }
}
```

```
    }  
}  
  
}
```

#Code: Print Odd.java

```
// Thread to print odd numbers from 1 to 9  
  
public class PrintOdd implements Runnable {  
    public void run() {  
        for (int i = 1; i < 10; i += 2) {  
            System.out.println("Odd: " + i);  
            try {  
                Thread.sleep(100); // Pause for visibility  
            } catch (InterruptedException e) {  
                e.printStackTrace();  
            }  
        }  
    }  
}
```

#Code: PrintMessage.java

```
//Squeak.java  
public class Squeak implements QuackBehaviour{  
    @Override  
    public void quack() {  
        System.out.println("Squeak, Squeak!!");  
    }  
}
```

#Output:

```
> javac *.java
> java MainThreadDemo
Even: 0
Odd: 1
Message: Hello from Thread!
Even: 2
Odd: 3
Message: Hello from Thread!
Even: 4
Odd: 5
Message: Hello from Thread!
Even: 6
Odd: 7
Message: Hello from Thread!
Even: 8
Odd: 9
Message: Hello from Thread!
Even: 10
```