Java Programming

MCA-272

Assignment – 07

BY

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Thread Creation using extends : --

```java
package Thread;

class thread1 extends Thread {
    @Override
    public void run() {
        // Code to execute in the new thread
        for (int i = 0; i < 5; i++) {
            System.out.println("Hello Guys");
        }
    }
}

class thread2 extends Thread {
    @Override
    public void run() {
        // Code to execute in the new thread
        for (int i = 0; i < 5; i++) {
            System.out.println("My name is Himanshu Heda");
        }
    }
}

public class thread_creation {
    public static void main(String[] args) {
        thread1 thread = new thread1();
        thread.start(); // Starts the thread

        thread2 thread2 = new thread2();
        thread2.start(); // Starts another thread
    }
}
```

Output : --

```
Hello Guys
Hello Guys
Hello Guys
Hello Guys
Hello Guys
My name is Himanshu Heda
My name is Himanshu Heda
My name is Himanshu Heda
My name is Himanshu Heda
My name is Himanshu Heda
```

Thread Creation using interface : --

```java
package Thread;

class Thread1 implements Runnable {
    @Override
    public void run() {
        for (int i = 0; i < 5; i++) {
            System.out.println("Its a beautiful day");
        }
    }
}

class Thread2 implements Runnable {
    @Override
    public void run() {
        for (int i = 0; i < 5; i++) {
            System.out.println("Enjoy the day");
        }
    }
}

public class thread_interface {
    public static void main(String[] args) {
        // Create instances of Runnable
        Thread1 t1 = new Thread1();
        Thread2 t2 = new Thread2();

        // Create Thread objects and pass the Runnable instances
        Thread thread1 = new Thread(t1, "Thread-1");
        Thread thread2 = new Thread(t2, "Thread-2");

        // Start the threads
        thread1.start();
```

```
        thread2.start();
    }
}
```

Output : --

```
Its a beautiful day
Its a beautiful day
Its a beautiful day
Its a beautiful day
Its a beautiful day
Enjoy the day
Enjoy the day
Enjoy the day
Enjoy the day
Enjoy the day
```