

```
/**
 *   Q1 Write a Java program which shows how to get the name of a running thread?
 */

class getThreadName extends Thread{
    public static void main(String args[]){

        getThreadName t=new getThreadName();
        t.start();
        System.out.println("Name of Thread :"+t.getName());
        t.setName("TEST_NAME");
        System.out.println("After changing name of t:"+t.getName());

    }
}
```

Output:

```
LENOVO@DESKTOP-U7S0DTI MINGW64 /e/H-drive/Practicals/MCA/SEM III/JAVA/Practicals/assignment no2
$ c:\Users\LENOVO\.vscode\extensions\vscjava.vscode-java-debug-0.28.0\scripts\launcher.bat "C:\Program Files\Java\jdk-11.0.7\bin\java.exe" -agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:64503 -Dfile.encoding=UTF-8 -cp "C:\Users\LENOVO\AppData\Roaming\Code\User\workspaceStorage\c93541379590f2a8808d6d282c70b05f\redhat.java\jdt_ws\assignment no2_8be11fbe\bin" getThreadName
Name of Thread :Thread-0
After changing name of t:TEST_NAME
```

```
/**
 * Q2 Write a Java program to set the priority of a thread.
 */

public class setPriorityOfThread extends Thread{

    public static void main(String[] args) {

        setPriorityOfThread thread=new setPriorityOfThread();
        System.out.println("Default Priority :"+thread.getPriority());
        thread.setPriority(7); // value 0 to 10
        System.out.println("Changed Priority :"+thread.getPriority());

    }
}
```

Output:

```
LENOVO@DESKTOP-U7S0DTI MINGW64 /e/H-drive/Practicals/MCA/SEM III/JAVA/Practicals/assignment no2
be\\bin" setPriorityOfThread c70b05f\\redhat.java\\jdt_ws\\assignment no2_8be11fb
Default Priority :5
Changed Priority :7
```

```
/**
 * Q3 . Write a program to traverse (or iterate) ArrayList?
 */

import java.util.*;

public class iterateArrayList {

    public static void main(String[] args) {

        List<Integer> NumberList = Arrays.asList(25,13,15,25,88,15);

        for(int i=0;i<NumberList.size();i++)
        {
            System.out.print(NumberList.get(i) + " ");
        }

    }

}
```

Output:

```
LENOVO@DESKTOP-U7S0DTI MINGW64 /e/H-drive/Practicals/MCA/SEM III/JAVA/Practicals/assignment no2
be\\bin" iterateArrayList 82c70b05f\\redhat.java\\jdt_ws\\assignment no2_8be11fb
25 13 15 25 88 15
```

```
/**
 * Q4 Write a program to replace an element in a list using replaceAll()
 */

import java.util.*;

public class replaceAllAnElementArrayList {

    public static void main(String[] args) {

        List list = Arrays.asList("Apple", "Ball", "Apple", "Cat", "Apple", "Dog", "Egg");
        System.out.println("List Before Replace :"+list);

        Collections.replaceAll(list, "Apple", "REPLACED");

        System.out.println("List After replaceAll: " + list);

    }

}
```

Output:

```
LENOVO@DESKTOP-U7S0DTI MINGW64 /e/H-drive/Practicals/MCA/SEM III/JAVA/Practicals/assignment no2
be\\bin" replaceAllAnElementArrayList redhat.java\\jdt_ws\\assignment no2_8be11fb
List Before Replace :[Apple, Ball, Apple, Cat, Apple, Dog, Egg]
List After replaceAll: [REPLACED, Ball, REPLACED, Cat, REPLACED, Dog, Egg]
```

```
/**
 *
 * 5. Write a program to insert the specified element at the end of this list.
 [Tip: use java.util.LinkedList.addLast() ]
 */

import java.util.*;

public class addInEndOfList {
    public static void main(String[] args) {
        LinkedList<String> list = new LinkedList<String>();

        list.add("One");
        list.add("Two");
        list.add("Three");

        System.out.println("List :"+list);

        list.add("Four");

        System.out.println("After Adding Element :"+list);
    }
}
```

Output:

```
LENOVO@DESKTOP-U7S0DTI MINGW64 /e/H-drive/Practicals/MCA/SEM III/JAVA/Practicals/assignment no2
be\\bin" addInEndOfList 6d282c70b05f\\redhat.java\\jdt_ws\\assignment no2_8be11fb
List :[One, Two, Three]
After Adding Element :[One, Two, Three, Four]
```