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Course-BCA;

Q.2) Solution:

• MainActivity.java:-

```java
package com.example.lifecycle;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;

public class MainActivity extends AppCompatActivity {
public static final String status = MainActivity.class.getSimpleName();

    @Override
    Protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        SetContentView(R.layout.activity_main);
        Log.i(status, "method onCreate"); }

    @Override
    Protected void onStart() {
        super.onStart();
        Log.i(status, "method onStart");
    }
}
```

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```java
@Override
 Protected void onResume(){
    Super.onResume();
    Log.i(status, "method onResume");}
@Override
Protected void onPause(){
   Super.onPause();
   Log.i(status, "method onPause");}
@Override
 Protected void onDestroy(){
    Super.onDestroy();
    Log.i(status, "method onDestroy");}
@Override
 Protected void onStop(){
    Super.onStop();
    Log.i(status, "method onStop");}
}
```
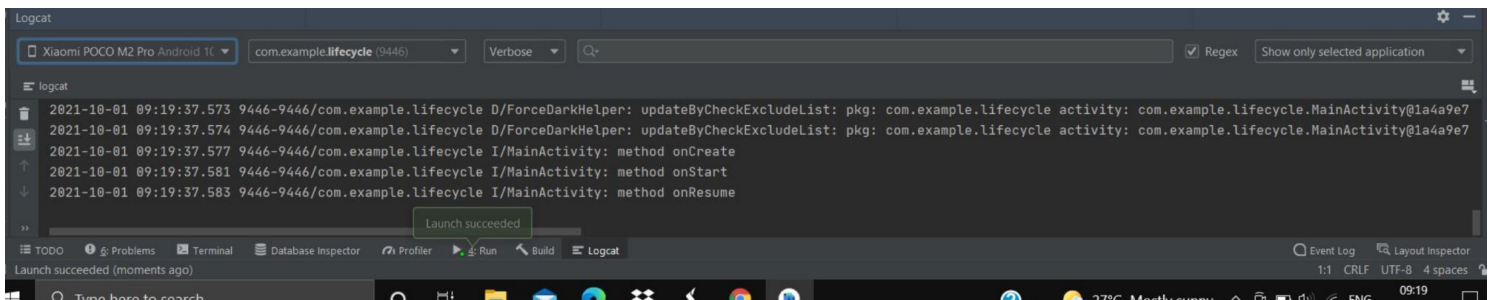
- activity_main.xml :-
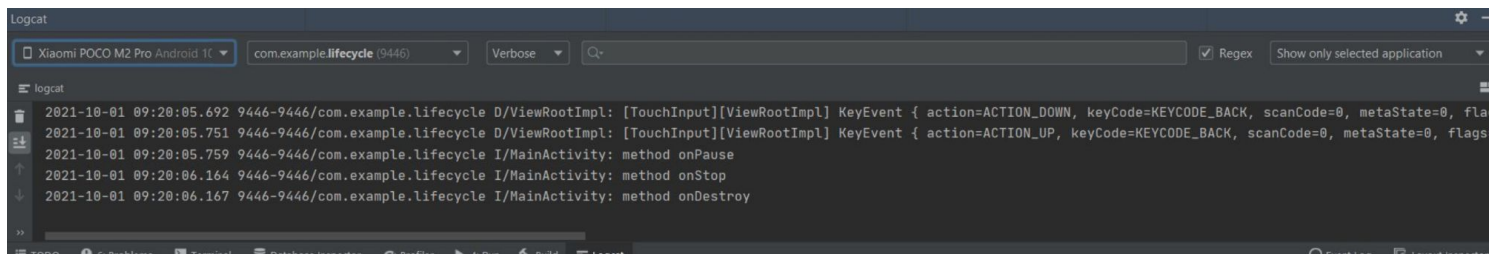
```
<? xml version="1.0" encoding ="utf-8" ?>
<androidx. contraintlayout. widget. Contraint Layout xmlns:
android ="hHp://schemas. android .com/ apk/res/android"
xmlns :app ="hHp://schemas .android .com/apk/res-auto"
xmlns :tools ="http://schemas .android .com/tools"
android :layout_width ="match-parent"
android- layout_height =" match-parent"
tools : context =".Main Activity">

<TextView
        android :layout_width ="wrap_content"
        android :layout_height ="wrap_content"
        android :text = "Hello World!"
        app :layout_constraint Bottom _toBottom of = "parent"
        app :layout_constraint Left_ toLeft of ="parent"
        app:layout_constraint Right_ to Right Of = "parent"
        app: layout_constraint Top_ toTop of =" parent" />

</androidx. constraint Layout. widget. Constraint Layout>
```

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Logcat

Xiaomi POCO M2 Pro Android 1(▼   com.example.**lifecycle** (9446)   ▼   Verbose ▼   Q·   ✓ Regex   Show only selected application ▼

≡ logcat

2021-10-01 09:19:37.573 9446-9446/com.example.lifecycle D/ForceDarkHelper: updateByCheckExcludeList: pkg: com.example.lifecycle activity: com.example.lifecycle.MainActivity@1a4a9e7
2021-10-01 09:19:37.574 9446-9446/com.example.lifecycle D/ForceDarkHelper: updateByCheckExcludeList: pkg: com.example.lifecycle activity: com.example.lifecycle.MainActivity@1a4a9e7
2021-10-01 09:19:37.577 9446-9446/com.example.lifecycle I/MainActivity: method onCreate
2021-10-01 09:19:37.581 9446-9446/com.example.lifecycle I/MainActivity: method onStart
2021-10-01 09:19:37.583 9446-9446/com.example.lifecycle I/MainActivity: method onResume

Launch succeeded

≡ TODO   ❶ ⚅ Problems   ▤ Terminal   ⬟ Database Inspector   ⌁ Profiler   ▶ ⚄ Run   ⚒ Build   ≡ Logcat   ◯ Event Log   ⬚ Layout Inspector

Launch succeeded (moments ago)   1:1   CRLF   UTF-8   4 spaces

4