Name: Arjun Singh Sandhu

Roll no.: 1922012

Subject: Mobile App Development Lab (PBI 501)

Ques2.

MainActivity.java

```java
package com.example.question2; import
androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle; import android.util.Log;

public class MainActivity extends AppCompatActivity {

    @Override    protected void onCreate(Bundle
savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
        Log.d("lifecycle","Activity started");
    }
    @Override    protected
void onStart() {
super.onStart();
        Log.d("lifecycle","onStart invoked");
    }
    @Override    protected void
onResume() {
super.onResume();
        Log.d("lifecycle","onResume invoked");
    }
    @Override    protected void
onPause() {
super.onPause();
        Log.d("lifecycle","onPause invoked");
    }
    @Override    protected
void onStop() {
super.onStop();
```

```java
        Log.d("lifecycle","onStop invoked");
    }
    @Override    protected void
onRestart() {
super.onRestart();
        Log.d("lifecycle","onRestart invoked");
    }
    @Override    protected void
onDestroy() {
super.onDestroy();
        Log.d("lifecycle","onDestroy invoked");
    }




    //end of class.....
}
```

MainActivity.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
```

```xml
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://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=".MainActivity">

    <TextView        android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello World!"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```