Experiment Title- 1.2

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Branch: BE-CSE **Section/Group-902/A**
Semester:6 **Date of Performance: 24/02/2023**
Subject Name: MAD Lab **Subject Code: 20CSP-356**

1. **Aim:** To design an android application to display Hello World

2. **Objective:**
   Android Studio is the official IDE (Integrated Development Environment) for Android app development and it is based on JetBrains' IntelliJ IDEA software

3. **System Requirements:**

- Microsoft Windows 7/8/10(32 Bit or 64bit)
- 4GB RAM minimum, 8GB RAM recommended(plus 1GB for the Android Emulator)
- 2GB of available disk space minimum, 4GB recommended(500MB for IDE plus 1.5GB for Android SDK and emulator system image)
- 1280 x 800 minimum screen resolution

CODE:

Mainactivity.java

```
package com.example.helloworldapplication;


import androidx.appcompat.app.AppCompatActivity;


import android.os.Bundle;public class


MainActivity extends AppCompatActivity {


@Override
```

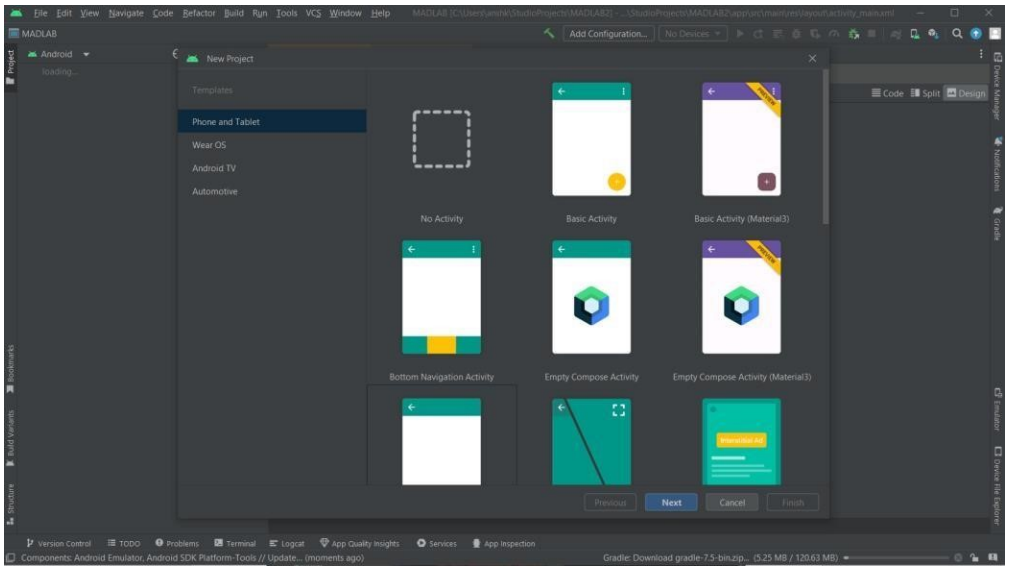
```
protected void onCreate(Bundle savedInstanceState)

{
super.onCreate(savedInstanceState); setContentView(R.layout.activity_main);

}

}
```

The Layout File

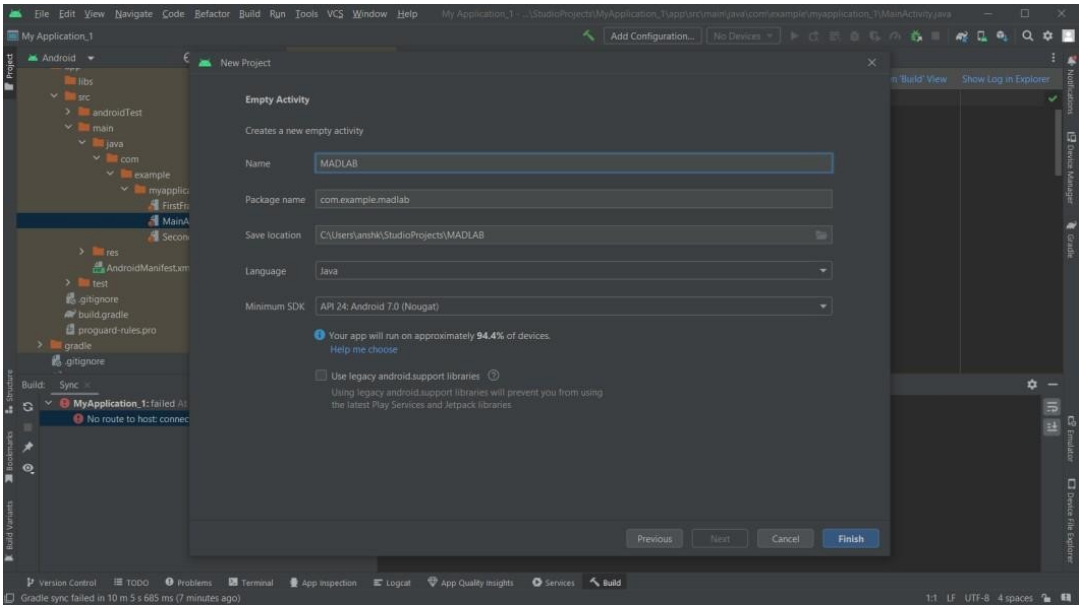
```
<RelativeLayoutxmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent" android:layout_height="match_parent" >


<TextViewandroid:layout_width="wrap_content"                    android:layout_height="wrap_content"
android:layout_centerHorizontal="true" android:layout_centerVertical="true"
android:padding="@dimen/padding_medium" android:text="@string/hello_world" tools:context=".MainActivity" />
```

4. Steps to Install Android Studio:

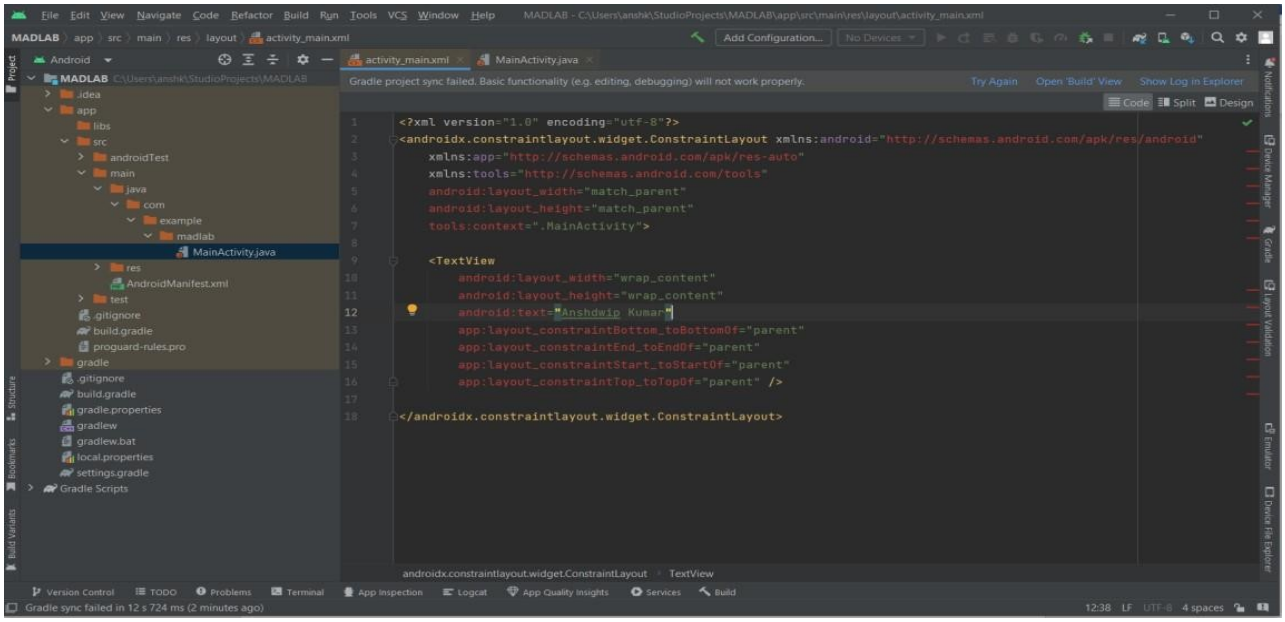
I. The first step is to use Android Studio to construct a straightforward Android application. The screen that appears when you click the Android Studio icon is seen below.

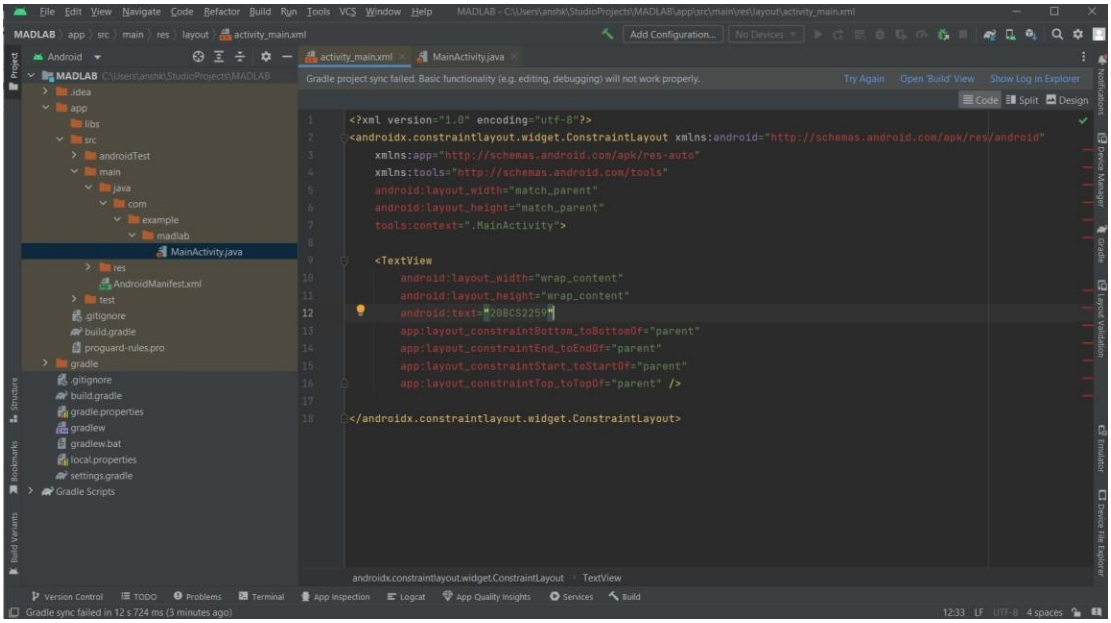


Start a new Android Studio project to begin developing your application. The name of the application, package details, and project location should be requested in a new installation frame:

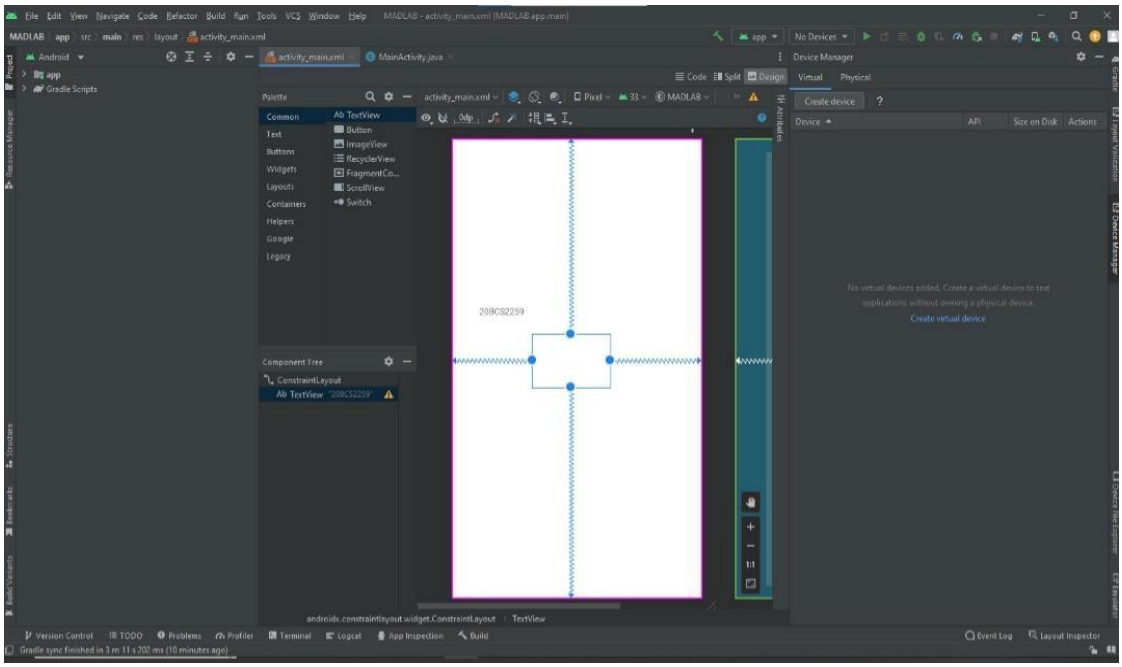


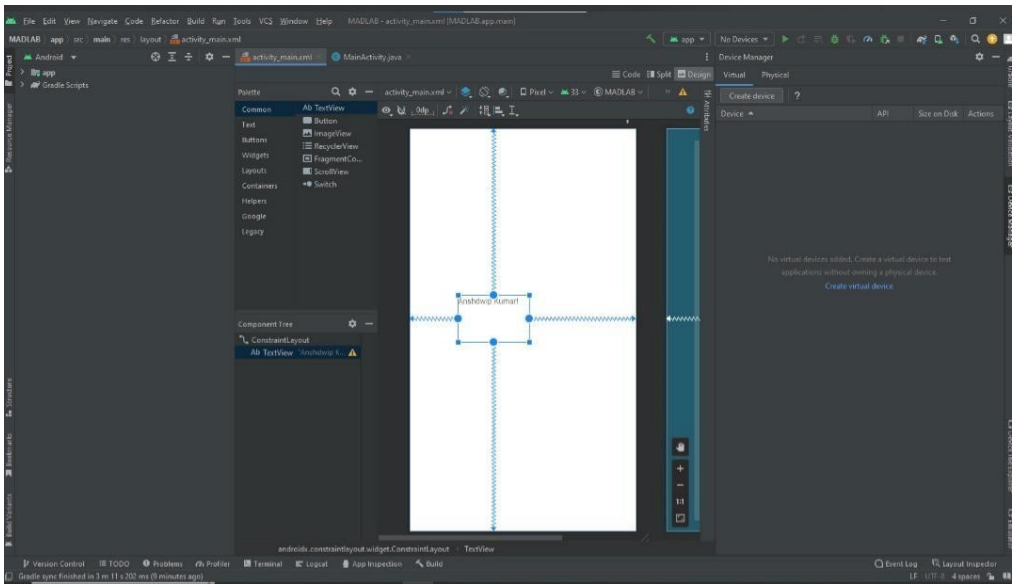
the Hello World Project Details configuration By configuring the project's name, location, and API version, we'll complete its creation.

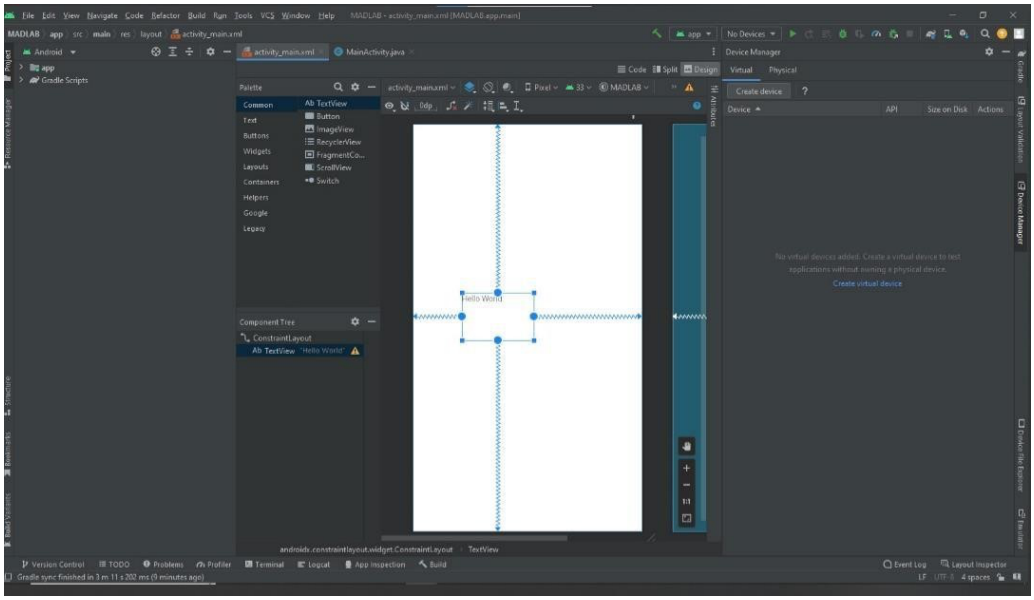


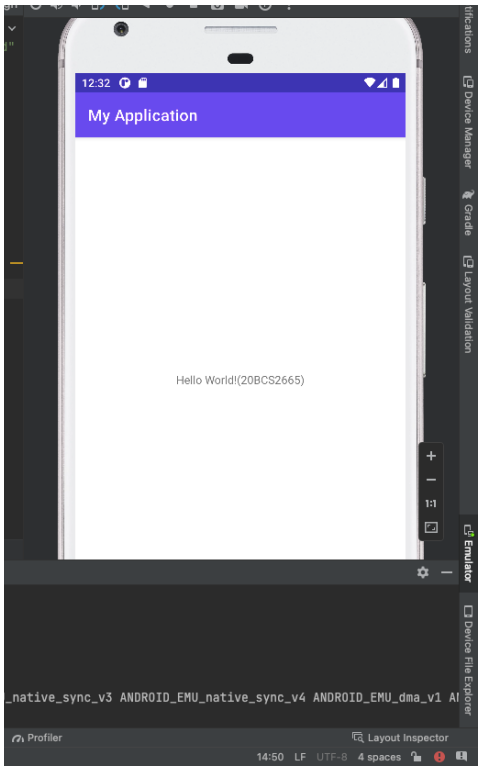


We go in the design option and check the text written in the codes which will be displayed further.




Anshdwip Kumar!


Hello World!



5. Learning outcomes (What I have learnt):

1) I learnt how to write and display text on my android phone.

6. Evaluation Grid :

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Student Performance (Conduct of experiment) objectives/Outcomes.		12
2.	Viva Voce		10
3.	Submission of Work Sheet (Record)		8
	Total		30