

Experiment-1.2

Student Name: Debdulal Das

Branch: BE-CSE

Semester: 6th

Subject Name: MAD Lab

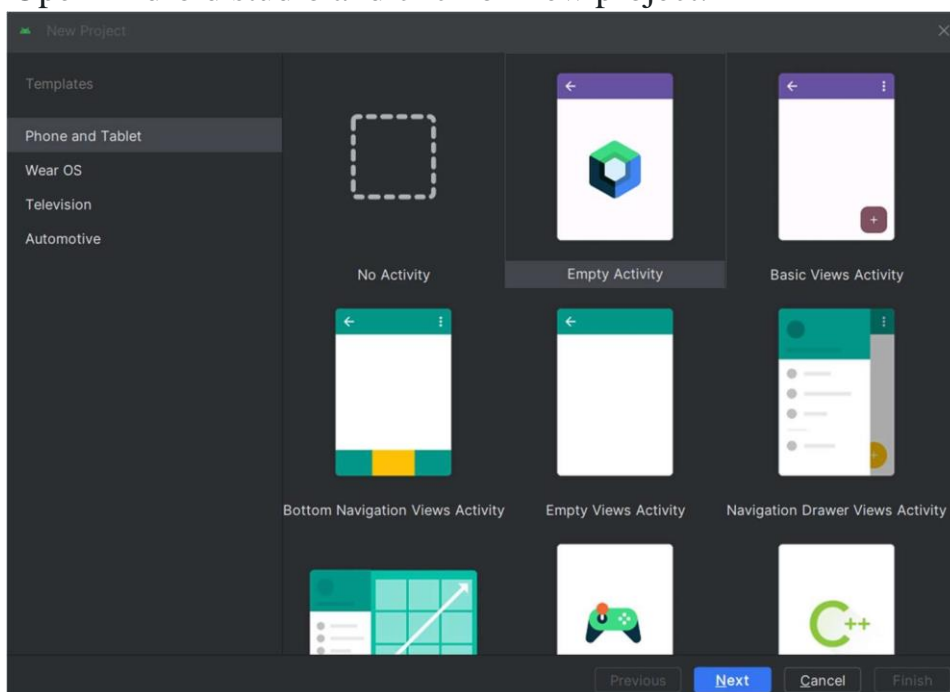
UID: 21BCS9011

Section/Group: CC-646-A

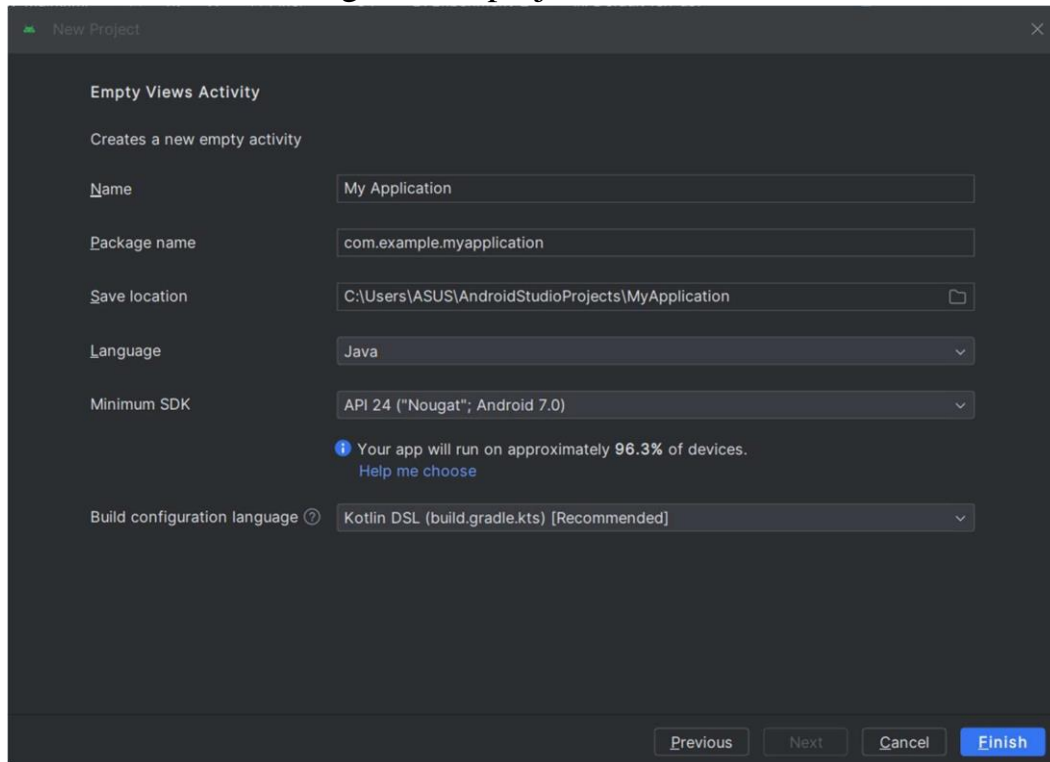
Date of Performance: 20/01/2024

Subject Code: 21CSH-355

- **Aim:** Create an application that takes the name from a "Text Box" and shows name and UID of the student.
- **Objective:** Setting up Android Studio and configuring a basic Android project. Compiling and running a simple Android application on an emulator or a physical device.
- **Input/Apparatus Used:**
 1. Computer – Windows, macOS, Linux
 2. Internet Connection
- **Procedure:**
 1. Open Android studio and click on new project.



2. Create, name and configure new project.



New Project

Empty Views Activity

Creates a new empty activity

Name: My Application

Package name: com.example.myapplication

Save location: C:\Users\ASUS\AndroidStudioProjects\MyApplication

Language: Java

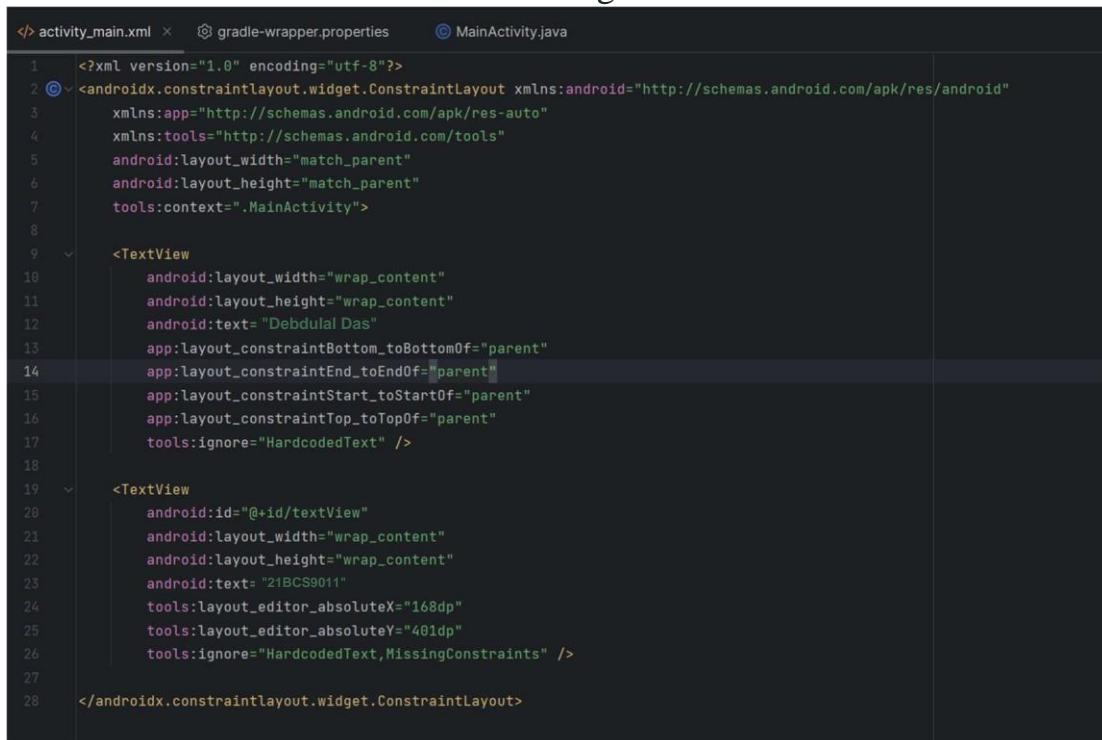
Minimum SDK: API 24 ("Nougat"; Android 7.0)

! Your app will run on approximately 96.3% of devices.
[Help me choose](#)

Build configuration language: Kotlin DSL (build.gradle.kts) [Recommended]

Previous Next Cancel Finish

3. Write Code either in xml file or use design nodes.



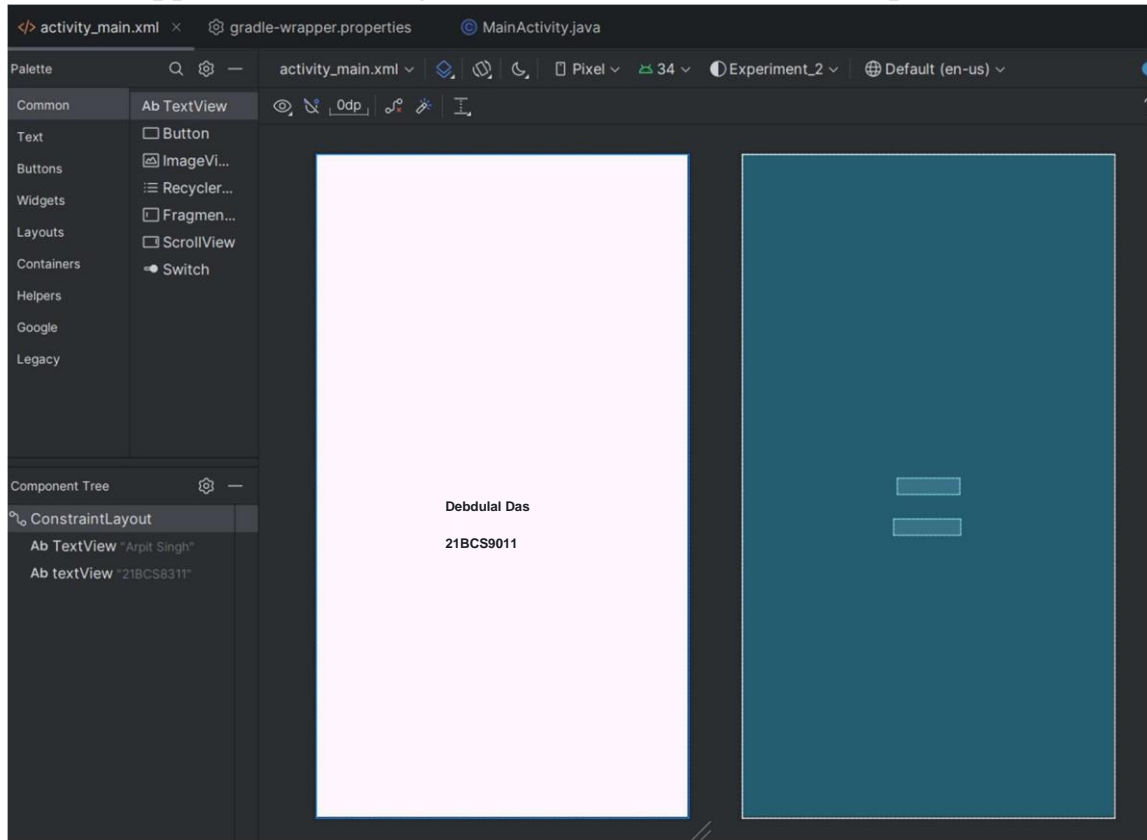
```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Debdulal Das"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        tools:ignore="HardcodedText" />
    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="21BCS9011"
        tools:layout_editor_absoluteX="168dp"
        tools:layout_editor_absoluteY="401dp"
        tools:ignore="HardcodedText,MissingConstraints" />
</androidx.constraintlayout.widget.ConstraintLayout>
```



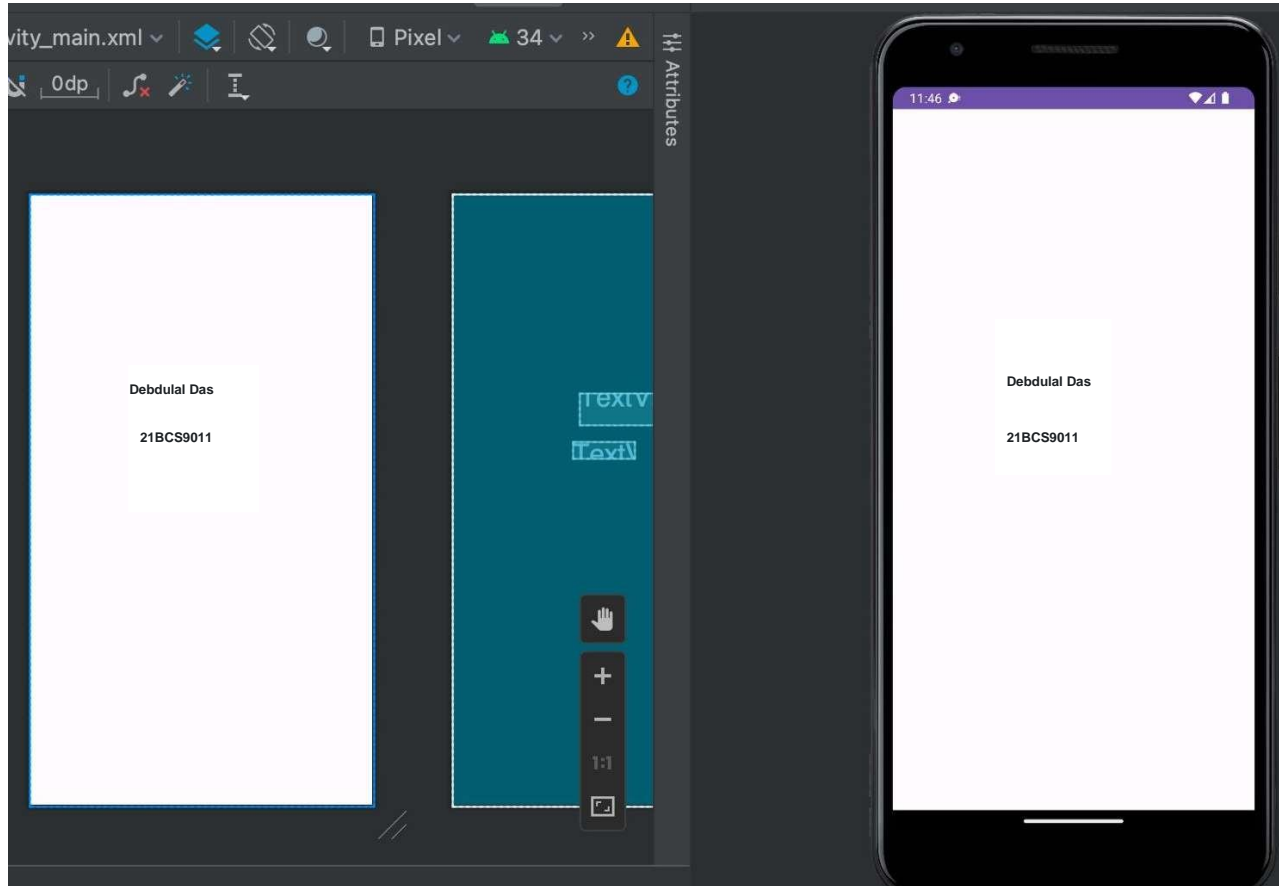
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4. Build the app and run it using the embedded virtual android phone.



- **Output:**



- **Learning outcomes:**

1. Learned about Android Studio.
2. Created and set up new projects.
3. Understand JDK and JRE.
4. Built a simple app.
5. Ran the app on Android devices.