Enrollment No: 202203103510097

# **PRACTICAL 1**

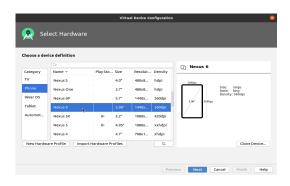
<u>Aim</u>: Install Android Studio Create a virtual device, Create and Run Hello World on emulator and device, Explore project layout, Generate and view log statements, Explore manifest file.

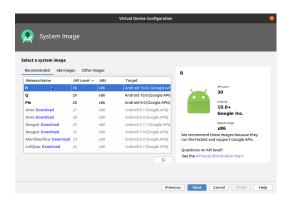
## **Steps to Install Android Studio on MacOS:**

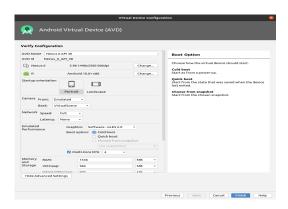
- 1. Launch the Android Studio DMG file.
- 2. Drag and drop Android Studio into the Applications folder, then launch Android Studio.
- 3. Choose whether to import previous Android Studio settings, then click OK.
- 4. Complete the Android Studio Setup Wizard, which includes downloading the Android SDK components that are required for development.

## **Creating a Virtual Device:**









#### **Code**:

## JAVA FILE: (MainActivity.java)

package com.example.practical1; import androidx apprompat ann A

 $import\ and roidx. app compat. app. App Compat Activity;$ 

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

@Override

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```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
  }
}
XML FILE: (activity main.xml)
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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:id="@+id/textView"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout marginTop="50dp"
    android:text=" Name: Angat Shah \n Enrollment No: 202203103510097 \n Branch:
B.Tech CSE"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintHorizontal bias="0.497"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    tools:ignore="MissingConstraints" />
  <TextView
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="HELLO WORLD"
    android:textSize="21dp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

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# **Output**:

