Write-up

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	Assignment No. 05
	Title: Android Studio
	Problem Statement: To install Android Studio on Fedora Linux & develop the
	android application as per the organizement.
	Objective: 1 To learn Android Studio installation 2. To learn to develop on android
	2. (0 (63 n) 10 march
-	appliation
	Outcome: Student should be able to:
	1 Install the Android Studio
	2. Develop an application as per requirement.
	SIW & H/W Requirement: Fedora/Windows, Android Studio, Oracle Java JDK 8.
	Concepts related theory!
	Android Studio: Android Studio is the official IDE for Google's Android Os, built on
	JetBrains' IntelliJ IDEA software and designed
	specifically for Android development.
	Use of Android studio: It has a strong editor tool for developing creative UI and anulators for different varsions to tost
	tool too developing exective
	UI and anulators for different various to test
	and simulate sensors without having actual Android

devices. It also hap a very useful Grank plugin using which you can create application files (apts) with different configurations, moreover it makes exporting and uploading app on playstore easy with a single clier. What is the difference between Android Studio & Eclipse? It supposts goodle (this allows you to really have control over the build). In the layout new you have the option to view both the artual layout & the xml at the same time, while in Eclipse, you must chose between the two tabs. Can you still use eclipse with android? In fact, you an build android application with an IDE at all with the release of Android Studio & the Particid Gradle playin, everything is shifting towards orandle dependencies. Asso he aware that Google is not going to continue supporting Eclipse development. Installation steps! · Download Android Studio IDE For Fedora Linux. · Double-Click Right - Cick on Arothive & Extract into Itmp or from shell, unzip -d/tmph/pownloads/android-studio* . zip - Install required packages * Type in shell:

sudo edinstell compet-libstdet+2.96. i686 compet-libstdet+ 3, 188 bzip?- lbs. i686. glibc. i 686glike -devel. i 686 Lib tdett ,686 1:6 Xxendor : 1686 lib xxando : 1686 Install Recommended Oracle Java JDK 8 on Linux Fedor After to Relocate Android Studio FDE: Set the superuser as holder (in shell): Sudo down & root: root /tmp/android-studio Then switch the contents with (in shell): Sudo my [timp (and soid-studio) apt) Finally End the SuperUser Session (in shell): This setyp will be useful after the First lanunch of Android Studio IDE and the installation of parhoid SDK Tools Finally to start Android Studio IDF From Mell: lopt landroid studio bin bydo.sh Conclusion: We were able to install Android Studio and develop an android application.

Sample Code

MainActivity.java

```
package com.example.android.hello;
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);
}
```

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:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Output



