

**Institute of Engineering & Technology**  
**Devi Ahilya Vishwavidyalaya, Indore (M.P)**  
**Department of Computer Science & Engineering**



**Hands-on Android Programming (CER4L2)**

**Android Assignments**

**Submitted To:**

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**Submitted By:**

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CS "B" 2<sup>nd</sup> Year

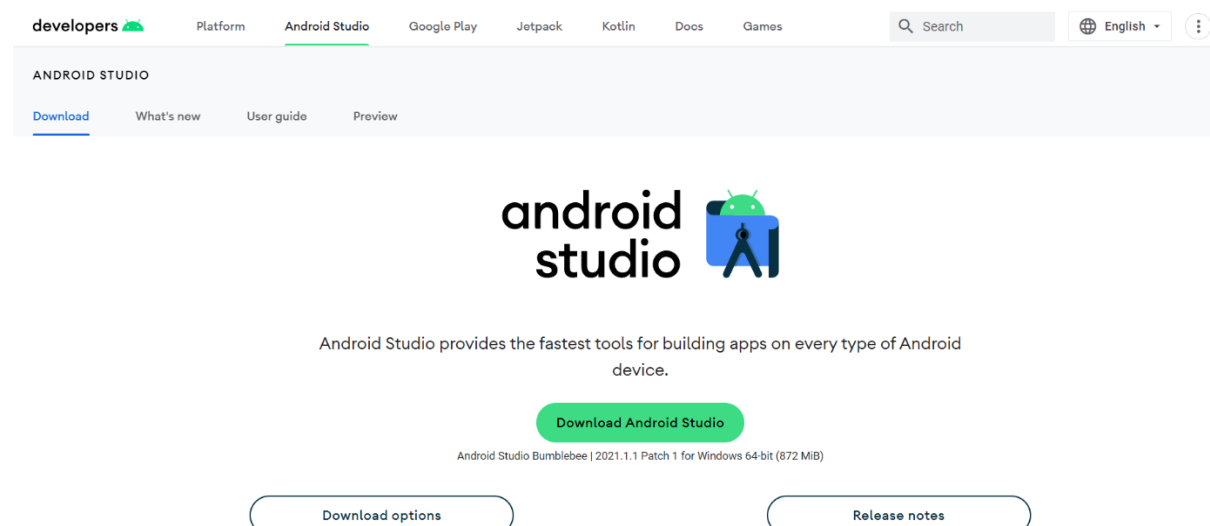
# Assignment-1

**a)Familiarity with ANDROID SDK (Installation and Configuration) and write a hello world program and display on simulator and mobile.**

- 1. You have to search “Download Android Studio” on Google**
- 2. Or you can also go on this URL to download Android Studio**

**URL:- <https://developer.android.com/studio>**

**3. When you search this... You will see this below page**

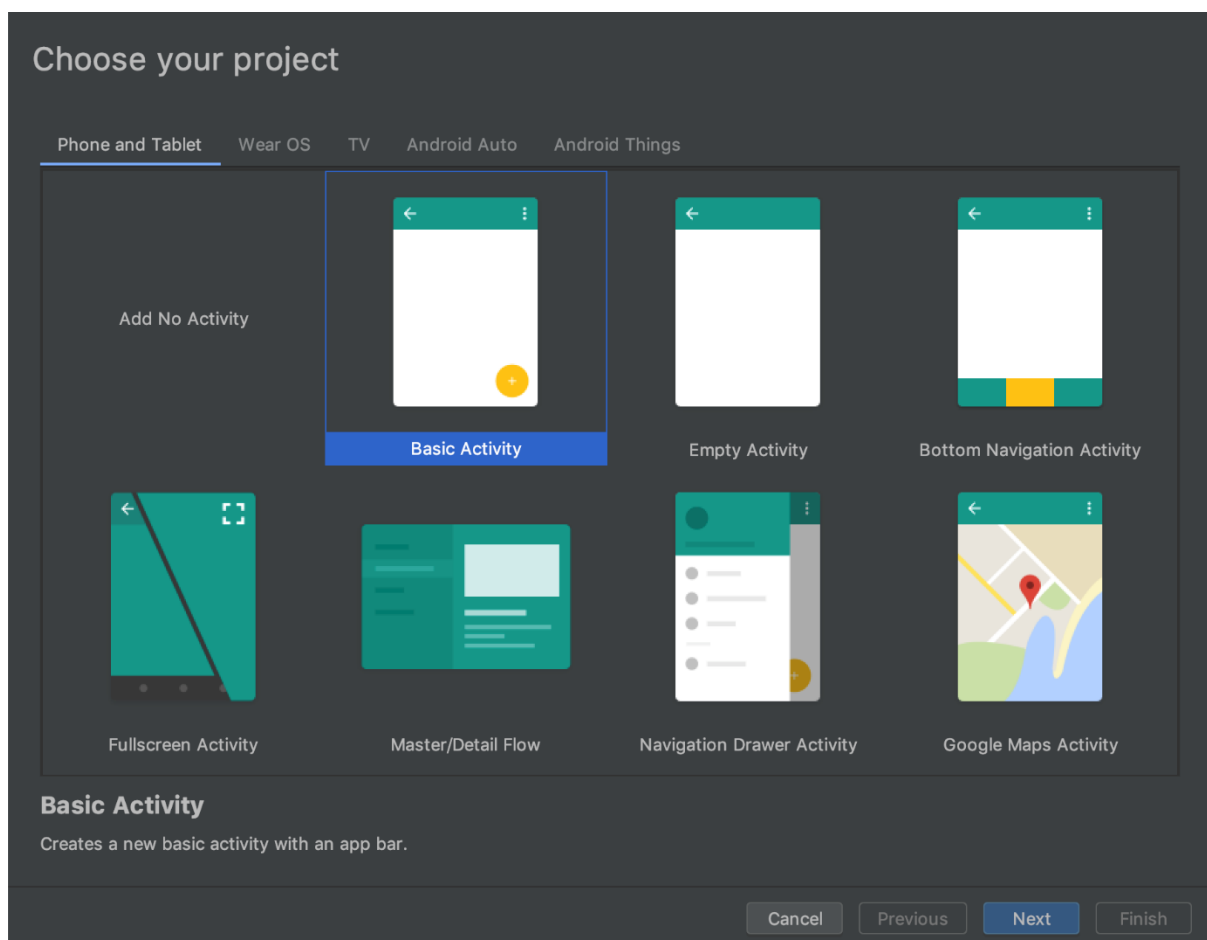


**4. From here you can download the “Android Studio” according to your system.**

**5. After the installation and some configuration and update.**


**6. Create a New Project**

**7. Choose the Basic Activity of the Project (if you want)**



## 8. Configure Your Project according to your need.

Configure your project



Basic Activity

Creates a new basic activity with an app bar.

Name  
My Application

Package name  
com.example.myapplication

Save location  
/Users/adarshf/AndroidStudioProjects/MyApp

Language  
Kotlin

Minimum API level  
API 21: Android 5.0 (Lollipop)

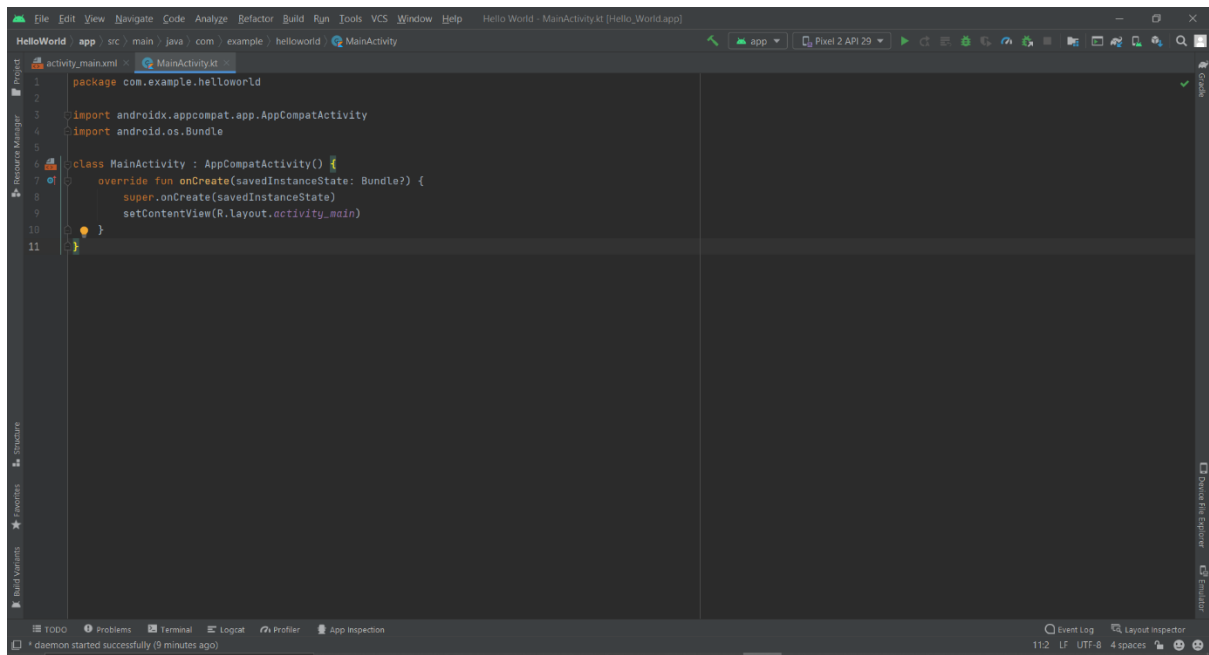
**i** Your app will run on approximately **85.0%** of devices.  
[Help me choose](#)

☒ This project will support instant apps

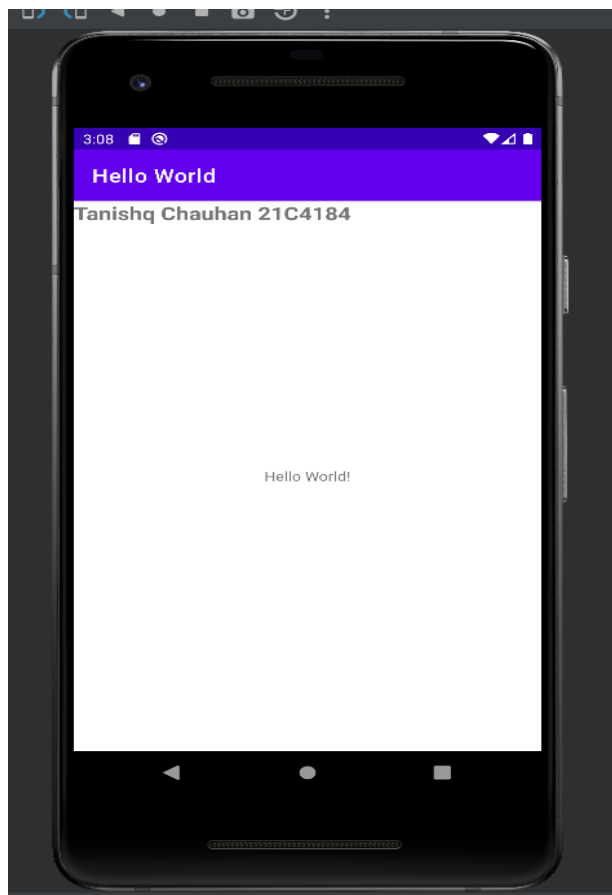
☒ Use AndroidX artifacts

Cancel Previous Next **Finish**

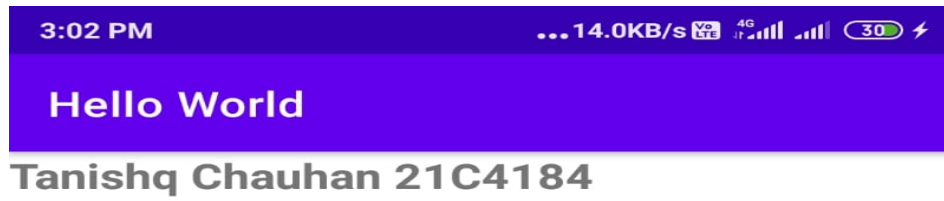
## 9. After all this setup, You will see the big screen of Android Studio.



**10. I created my first project as “Hello World” lets run it on Emulator. (It is running on Pixel 2)**



## 11. Installed in Mobile via USB

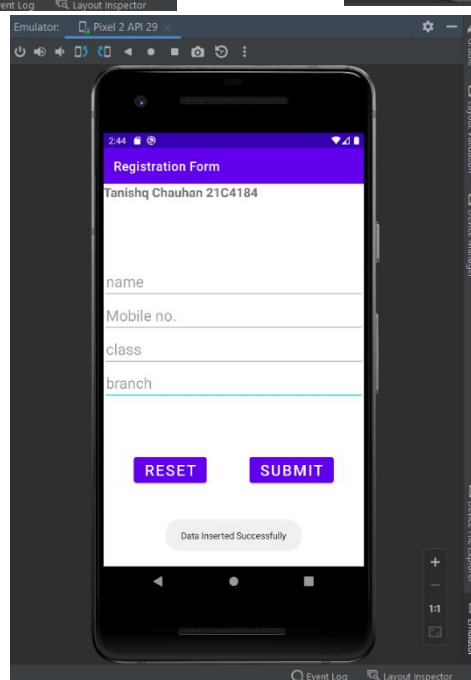
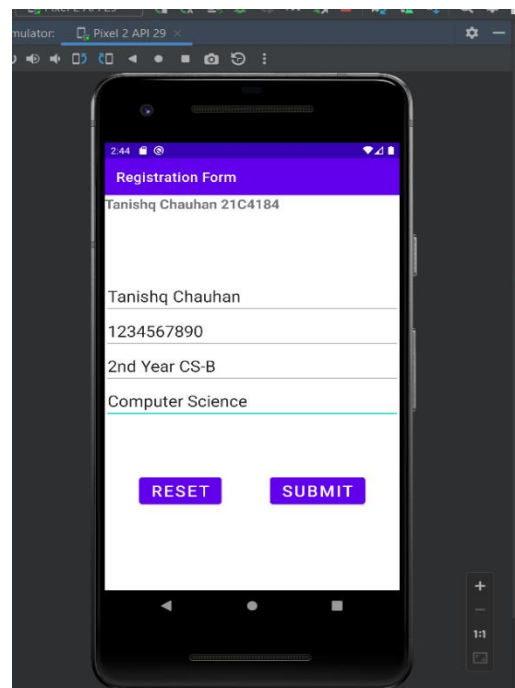
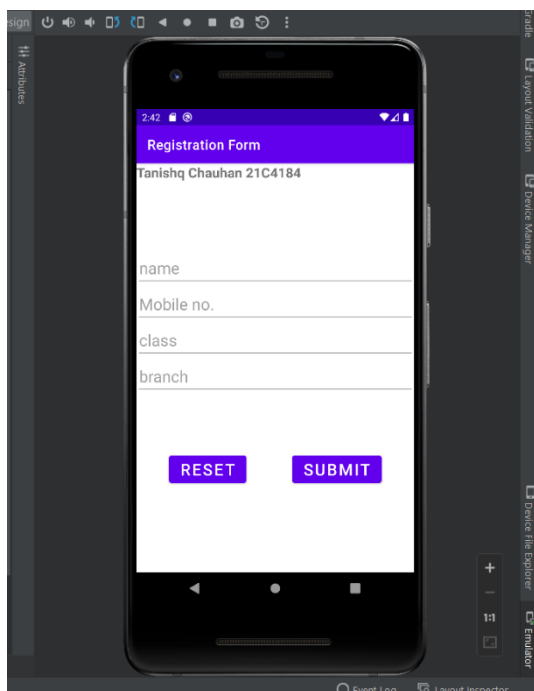


Hello World!



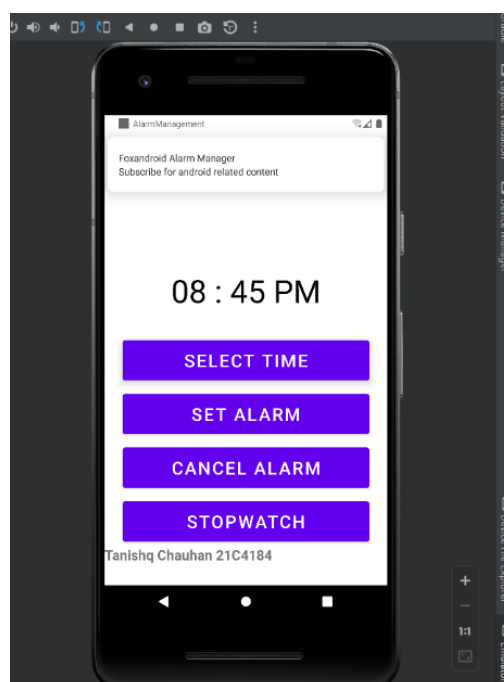
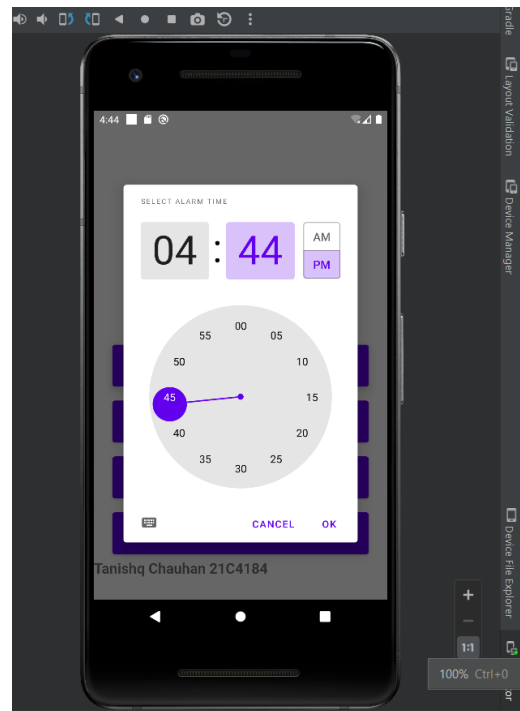
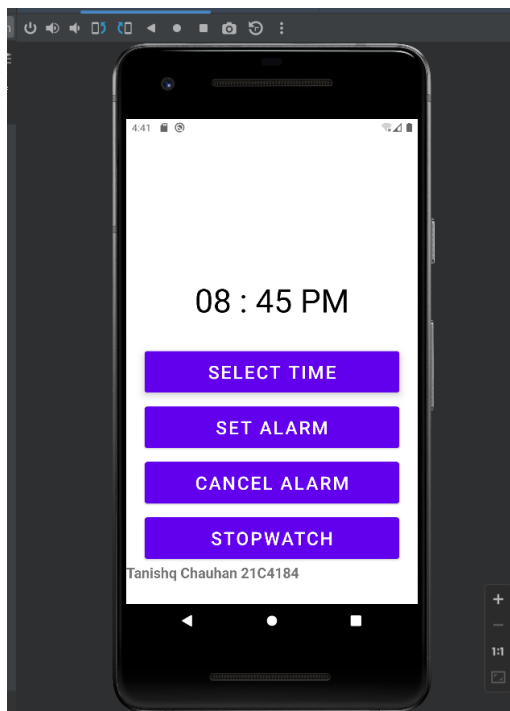
# Assignment-2

- a) Develop an application which have name, mobile no, class and branch form with two button Submit and Reset.
- b) Store above information in database.

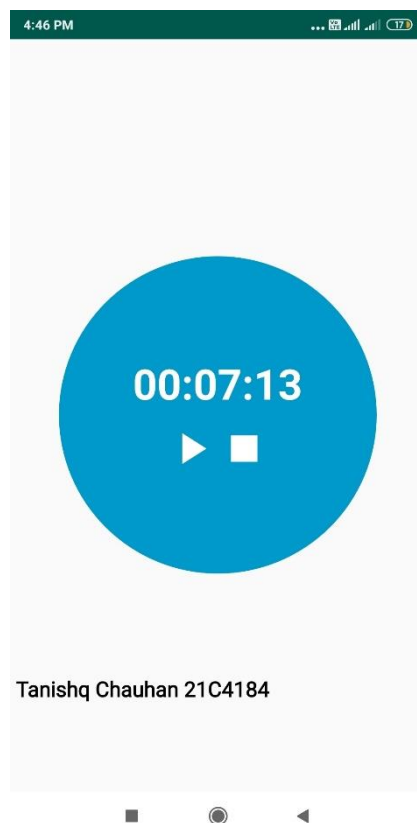
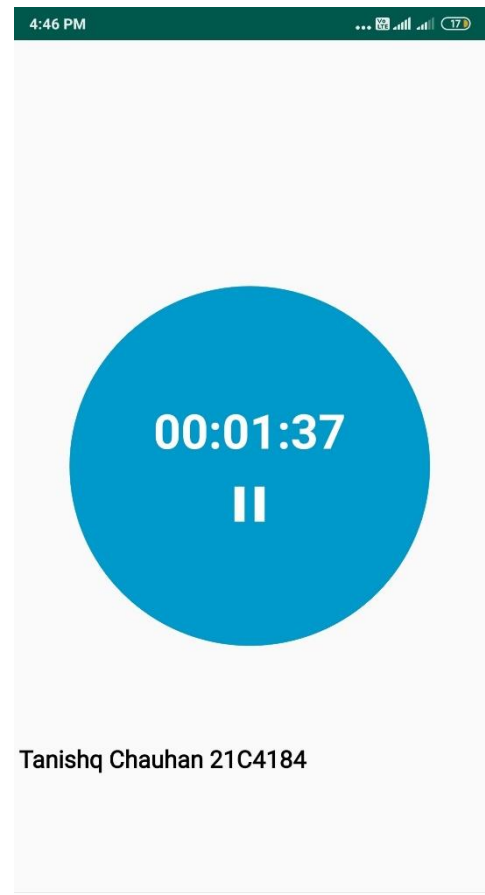
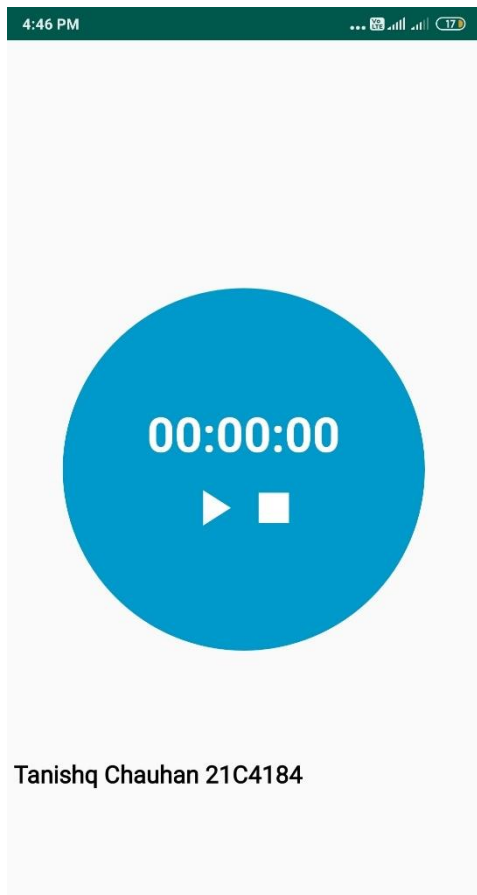


# Assignment-3

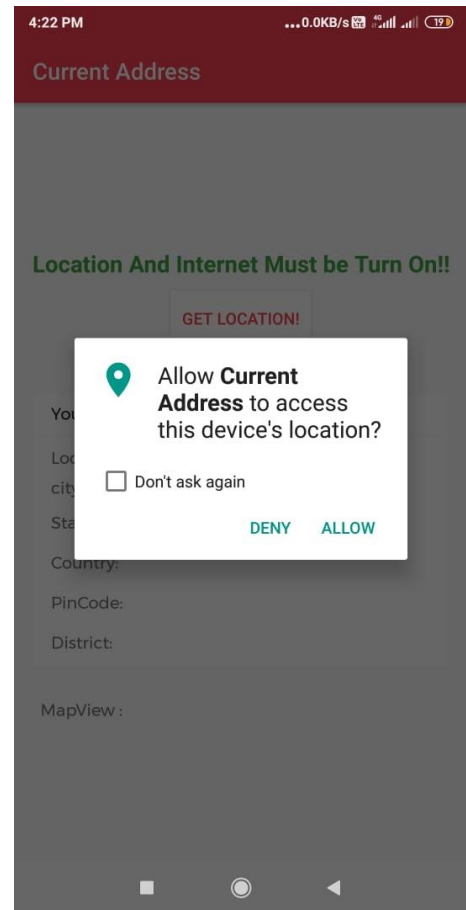
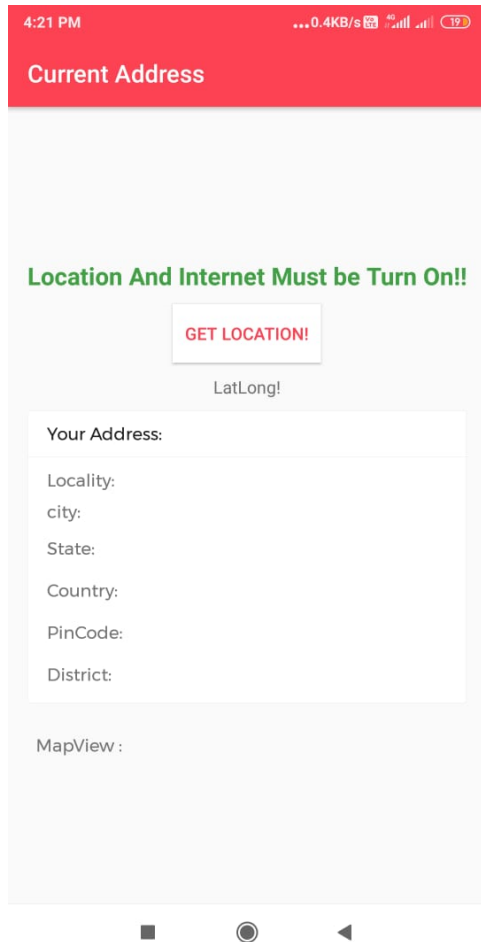
c) Develop an application of watch with alarm clock and stopwatch feature.







**d) Develop a native application for showing GPS location Coordinates and Direction Knowledge. (Distance of changing the coordinates.).**



4:21 PM

...0.3KB/s VoLTE 4G 19

## Current Address

**Location And Internet Must be Turn On!!**

**GET LOCATION!**

Latitude : 22.6801542  
Longitude: 75.8147151

Your Address:

Locality: 527A

city: **Indore**

State: **Madhya Pradesh**

Country: **India**

PinCode: **452009**

District: **Indore**

MapView :

