



**INFORMATION AND COMMUNICATION TECHNOLOGY
OPERATING SYSTEM
TEAM – 50**

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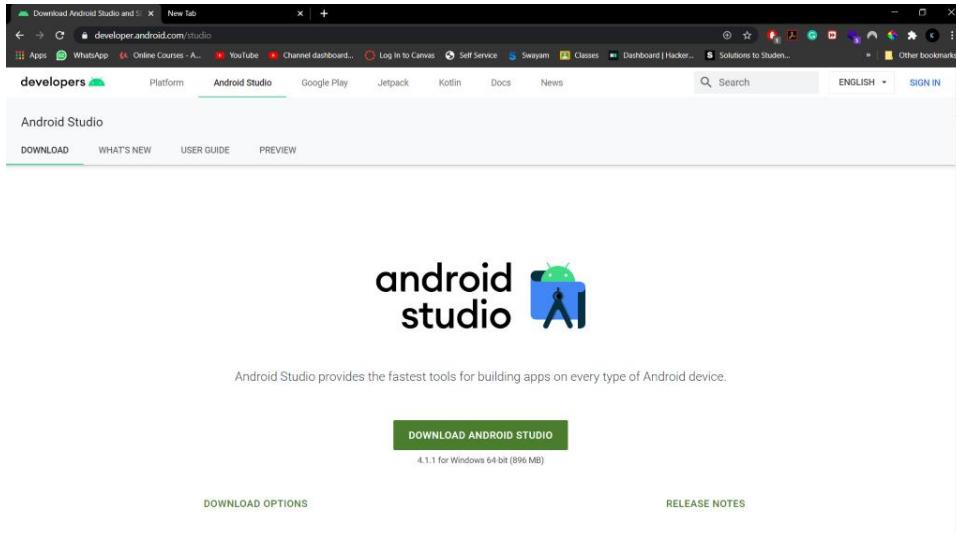
**TOPIC – SCHEDULING ALGORITHM APP
(Android Studio – JAVA)**

STEPS TO INSTALL ANDROID STUDIO

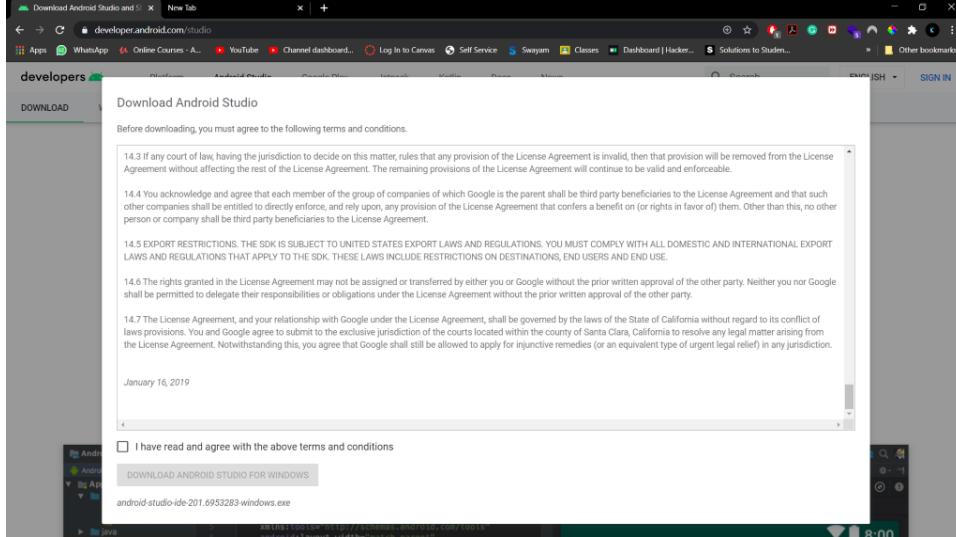
1. OPEN THE FOLLOWING LINK IN YOUR BROWSER

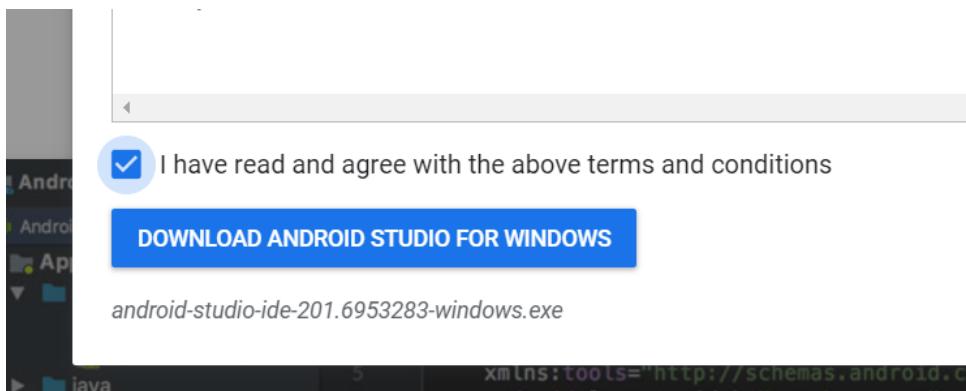
<https://developer.android.com/studio>

2. Then click on **Download Android Studio.**

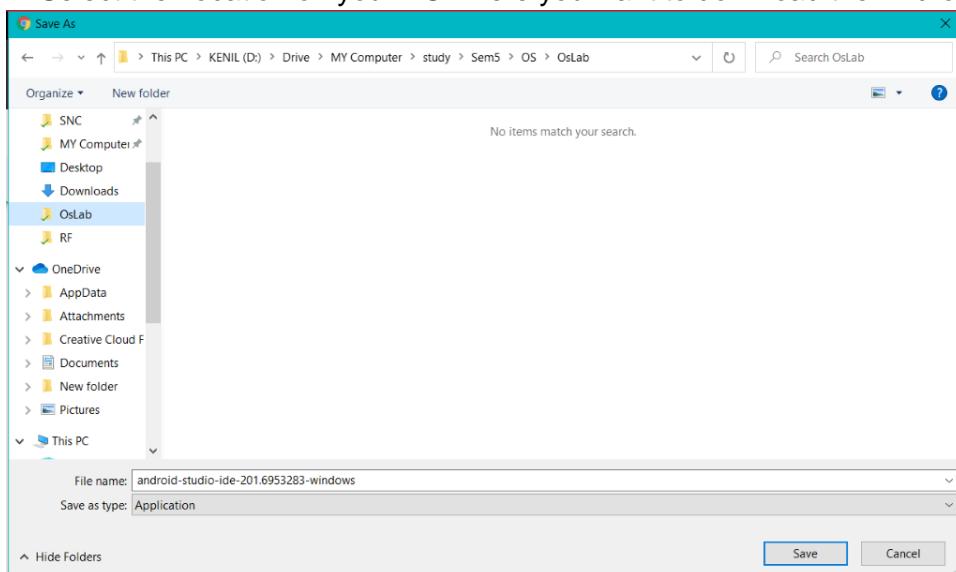


3. Agree to the Terms and Conditions

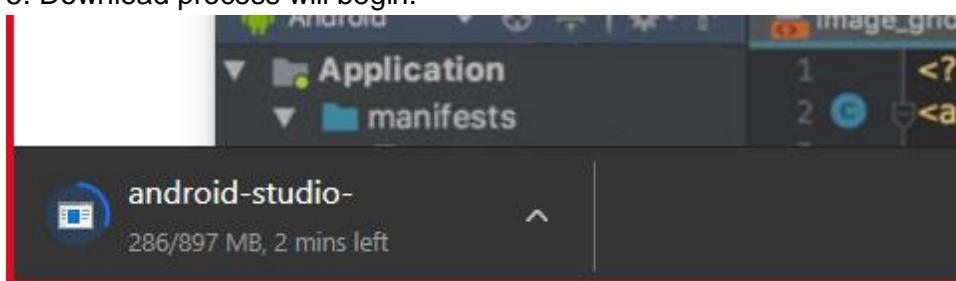




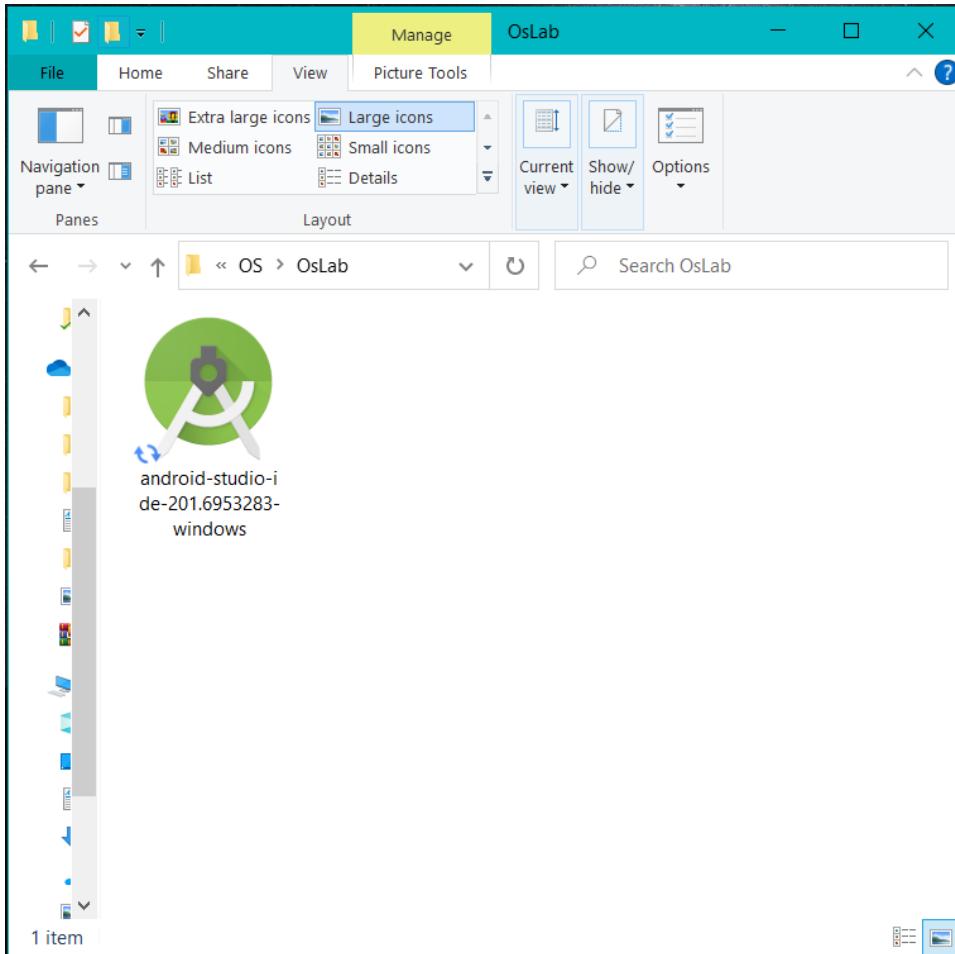
4. Select the Location on your PC where you want to download the Android Studio.



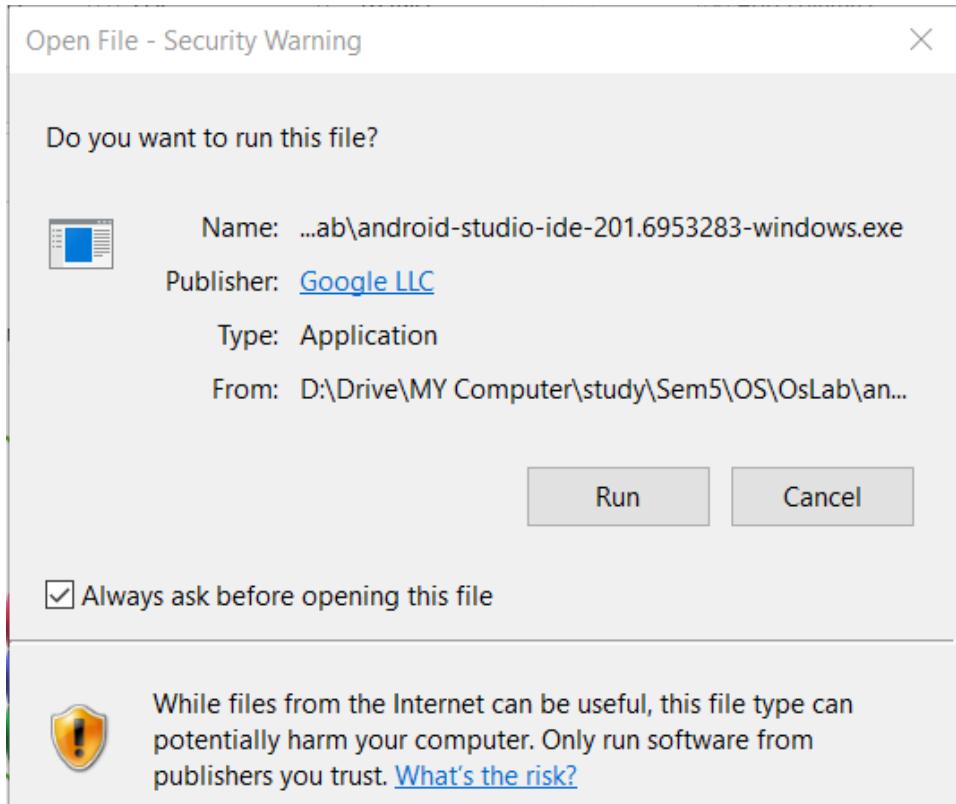
5. Download process will begin.



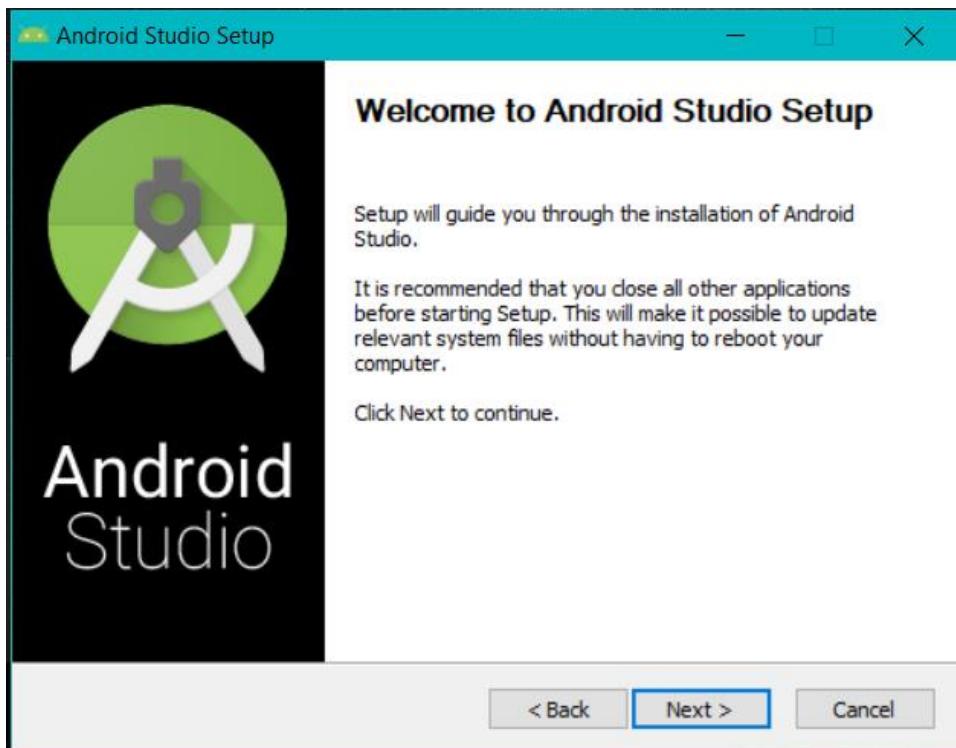
6. The Icon of Android Studio will be shown at your chosen location and then click on the **Icon**.



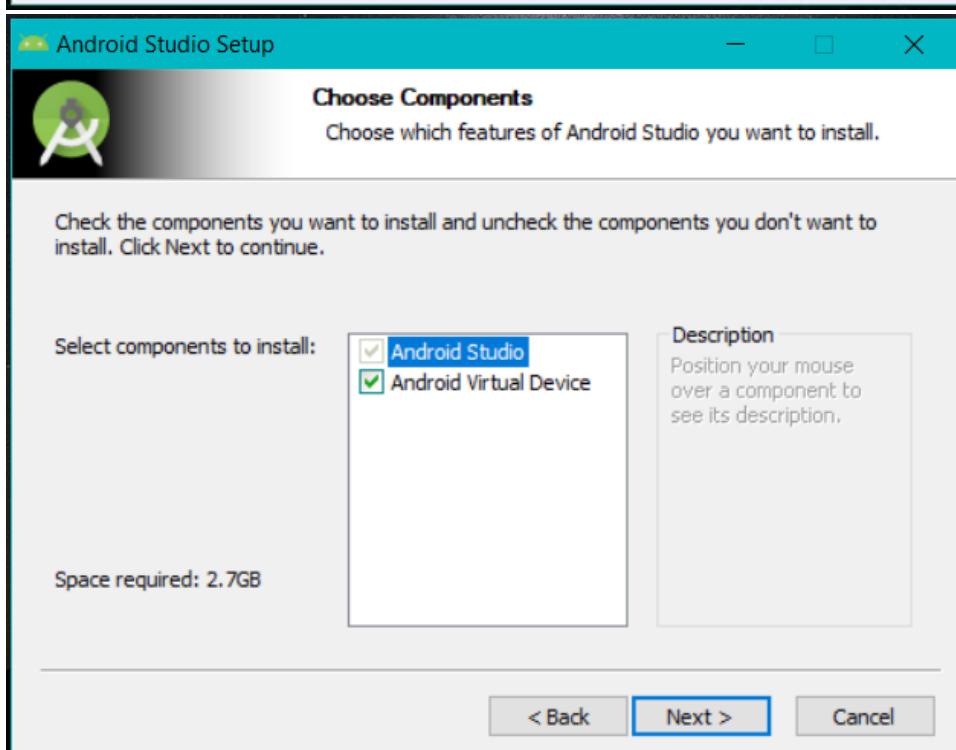
7. Click on the **Run**.



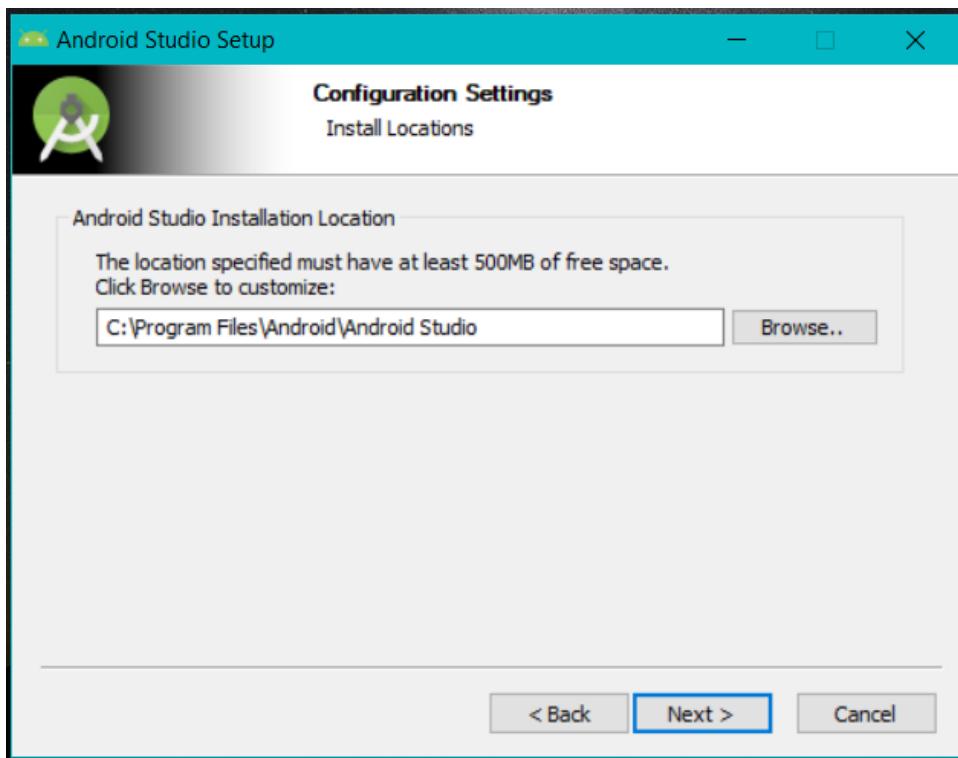
8. Click on the **Next** until the install button comes.



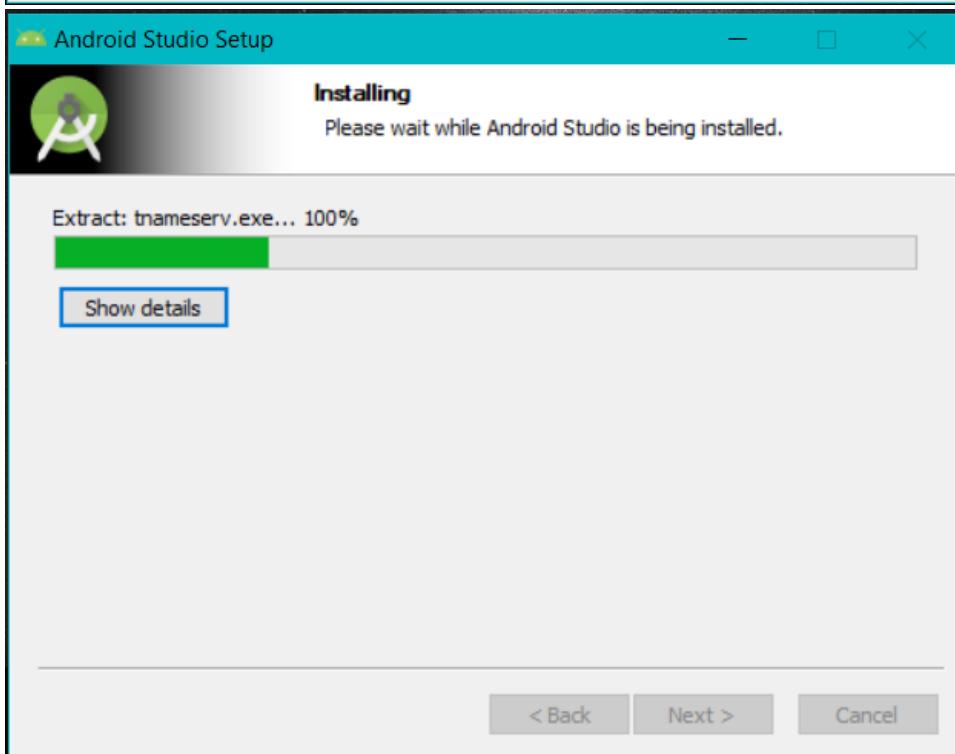
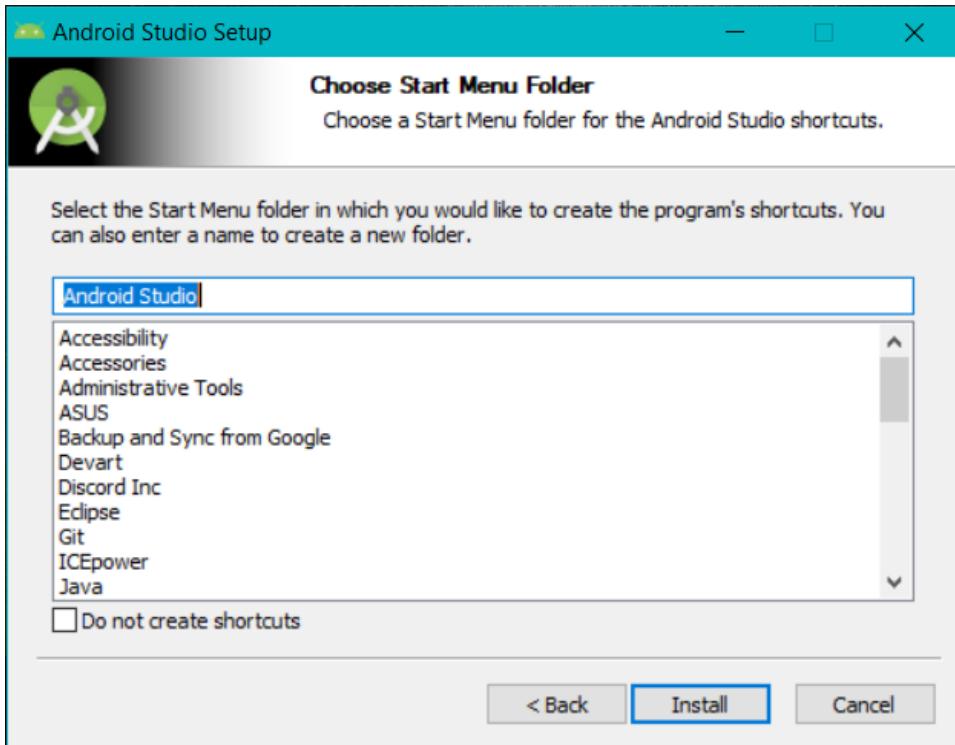
The screenshot shows the 'Welcome to Android Studio Setup' window. On the left, there's a large Android Studio logo with the text 'Android Studio'. The main content area has a heading 'Welcome to Android Studio Setup' and a paragraph: 'Setup will guide you through the installation of Android Studio. It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.' Below this is a note: 'Click Next to continue.' At the bottom are three buttons: '< Back', 'Next >', and 'Cancel'.



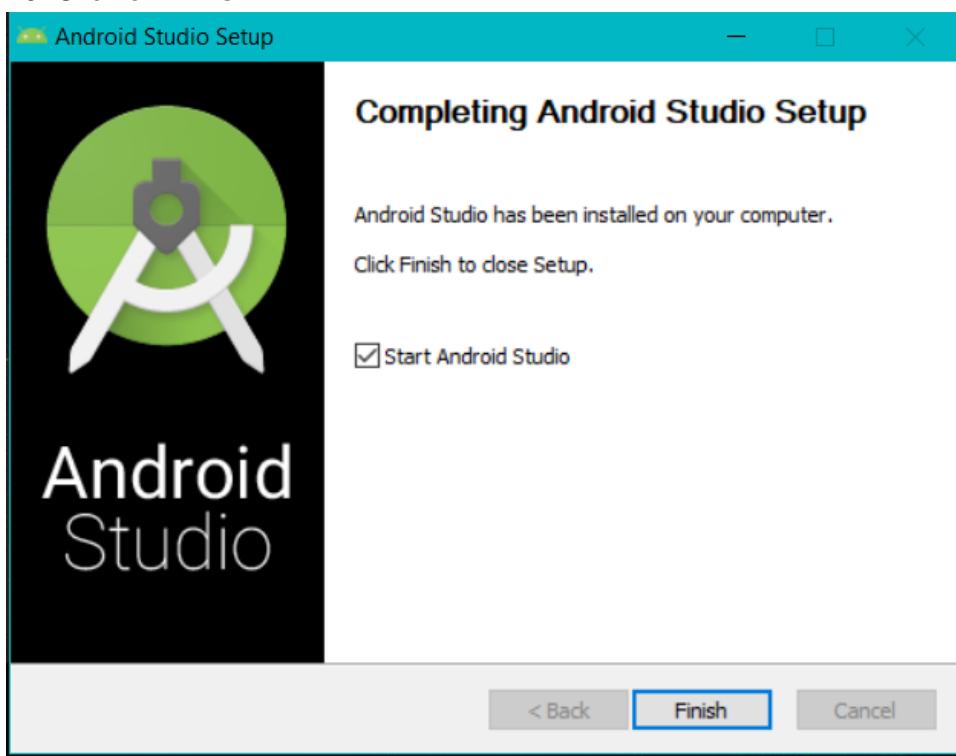
The screenshot shows the 'Choose Components' window. It features a sidebar with the text 'Select components to install:' followed by two checked options: 'Android Studio' and 'Android Virtual Device'. To the right of the sidebar is a 'Description' box containing the text: 'Position your mouse over a component to see its description.' At the bottom, it says 'Space required: 2.7GB'. At the very bottom are the same three buttons: '< Back', 'Next >', and 'Cancel'.



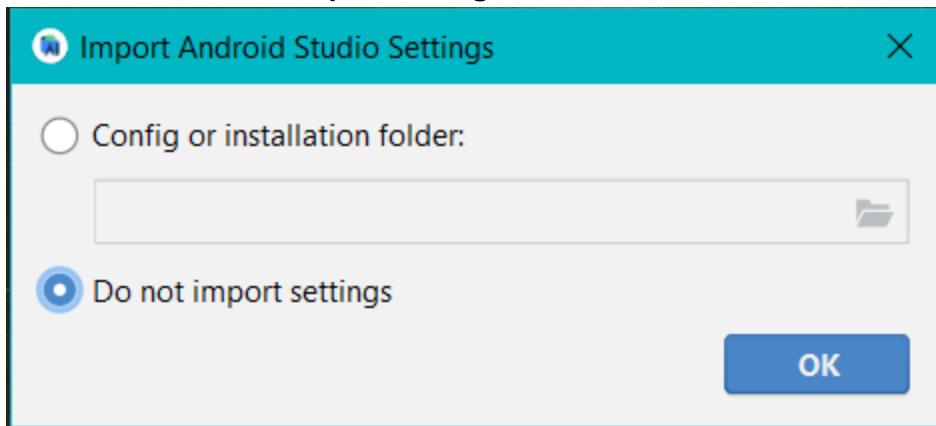
9. Give the name Android Studio as a shortcut name.



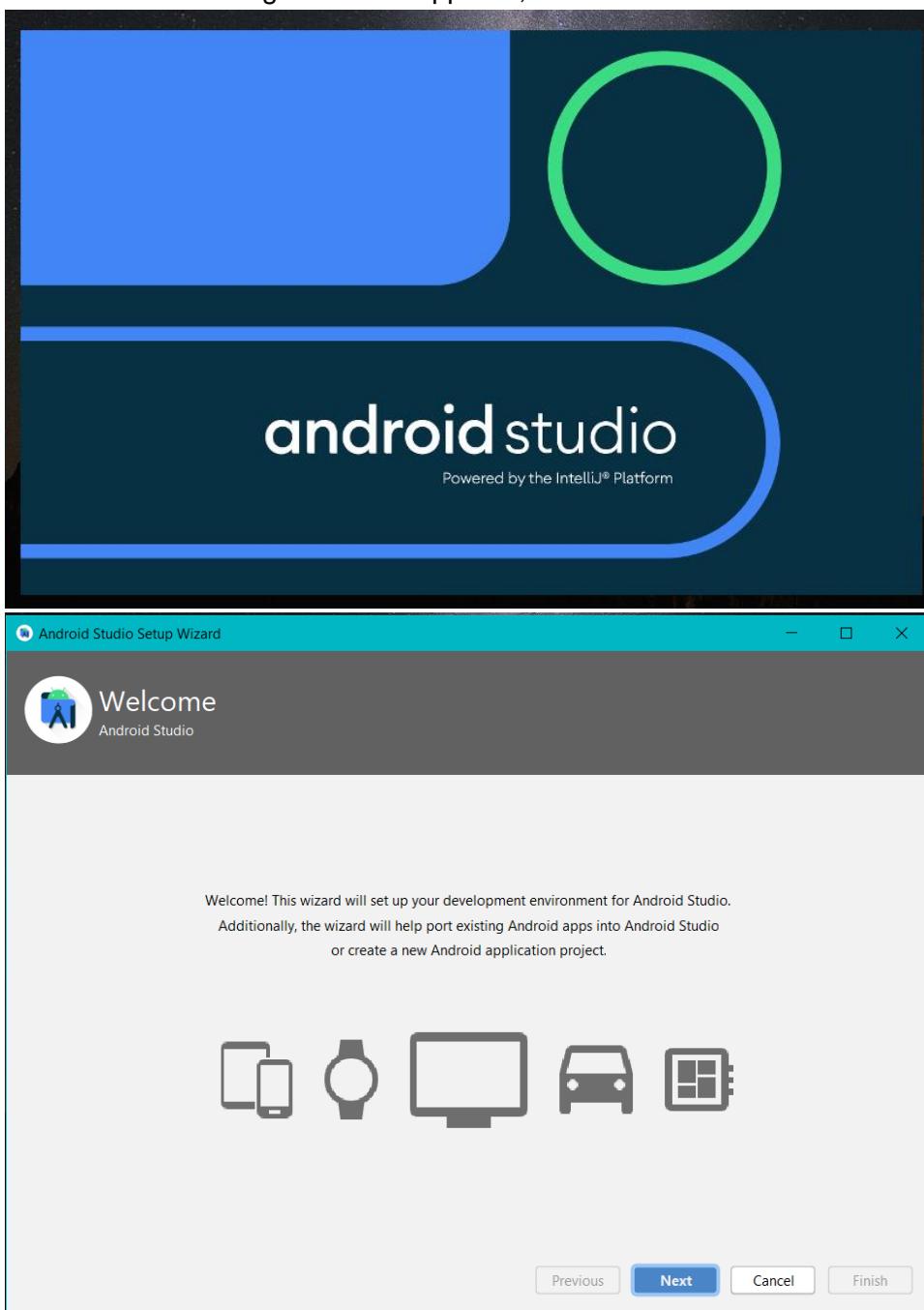
10. Click on **Finish**.



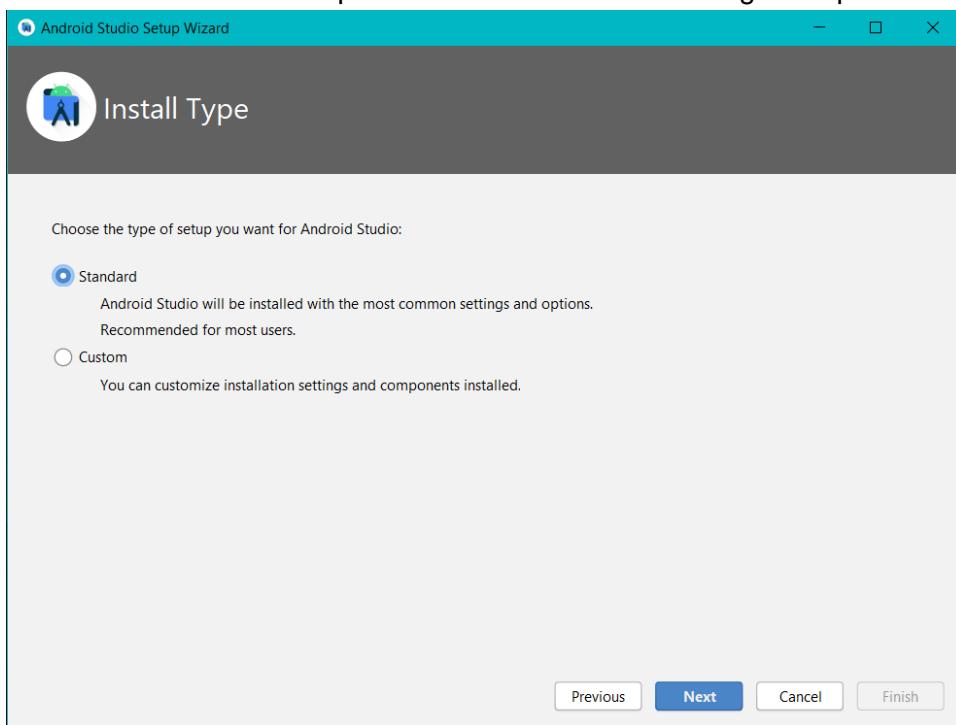
11. Select the **Do not import settings** and click **OK**.



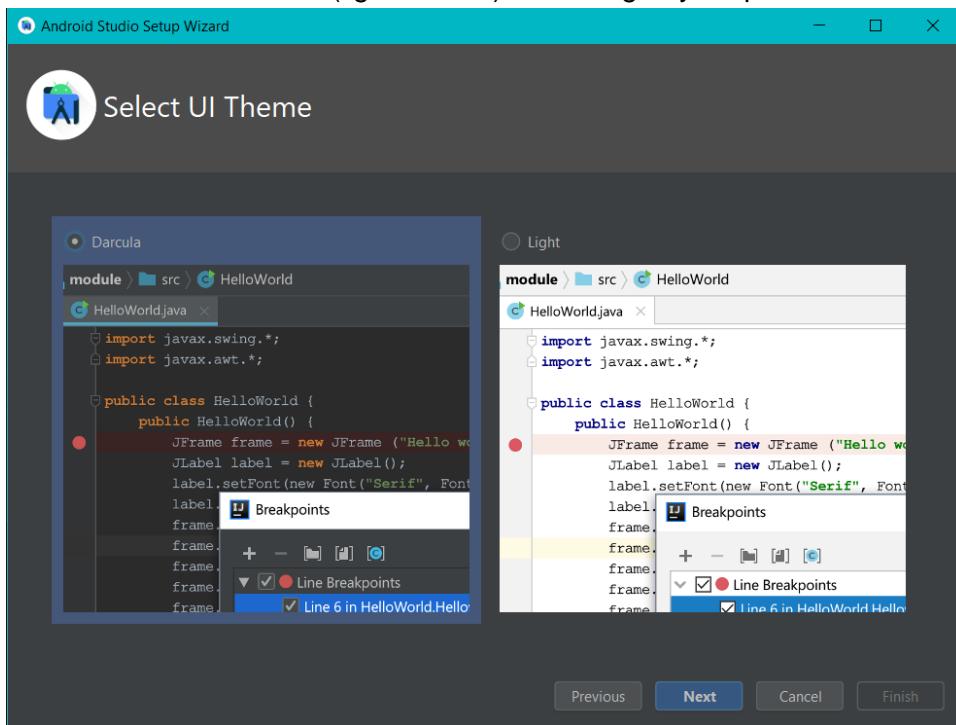
12. After the following animation appears, click on **Next**.



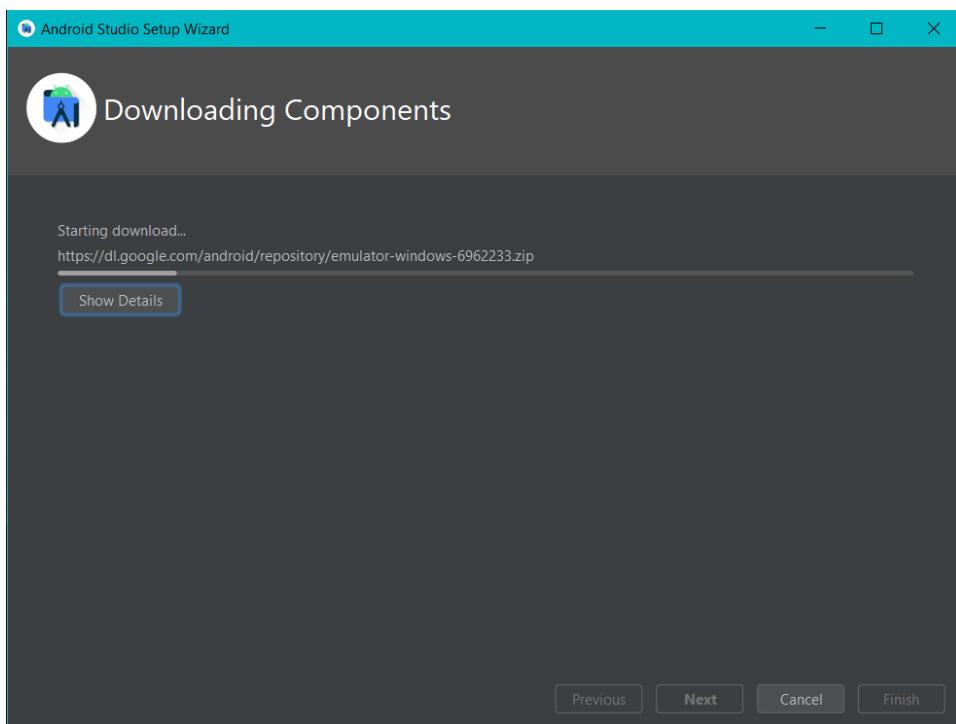
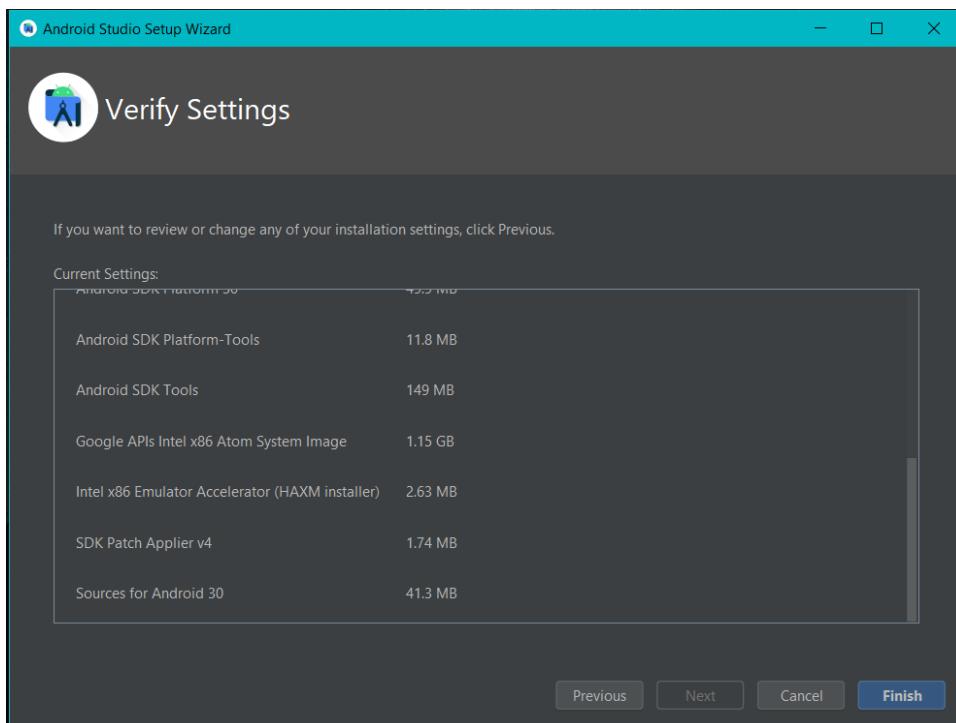
13. Select the **Standard** option and it will install the setting and options itself.

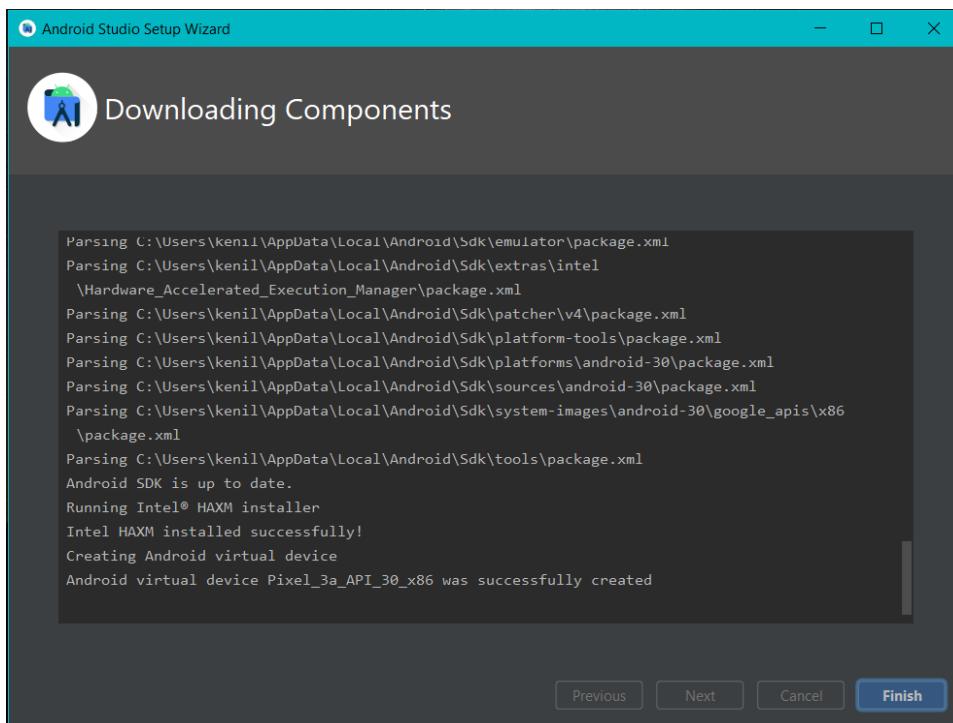


14. Select the UI Theme (light or dark) according to your preference and then click on **Next**.

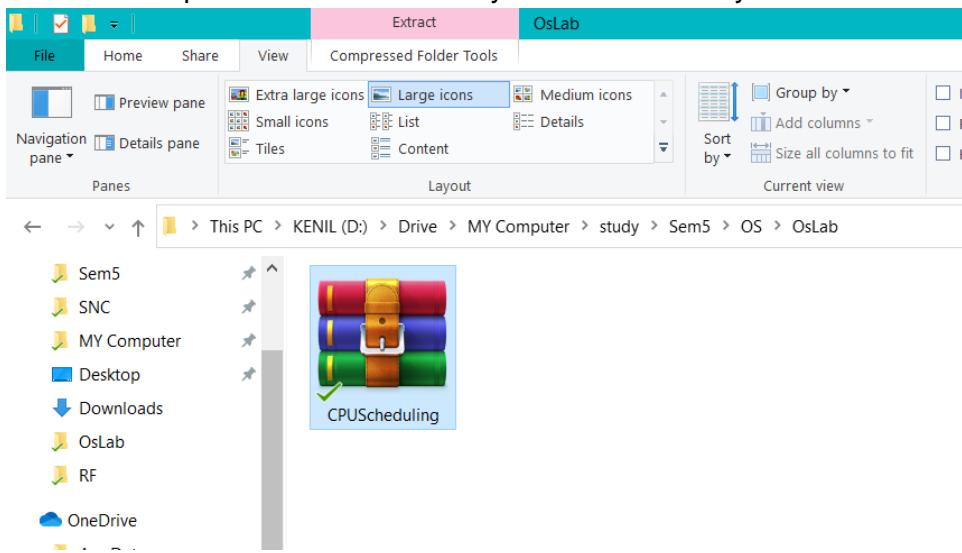


15. Click on **Finish** and it will start all the downloads required.

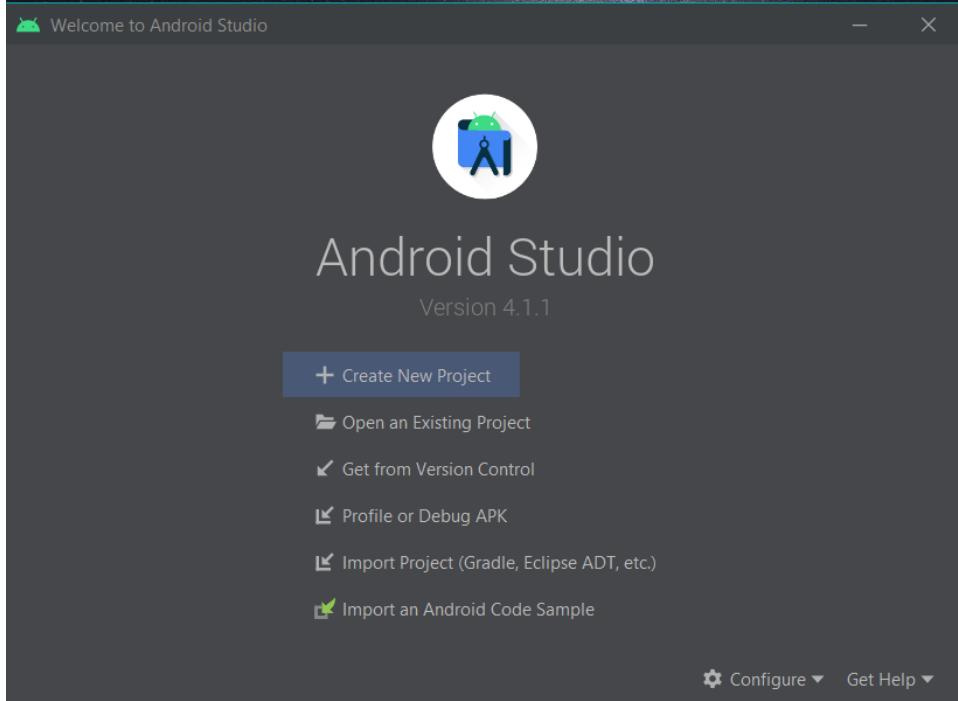




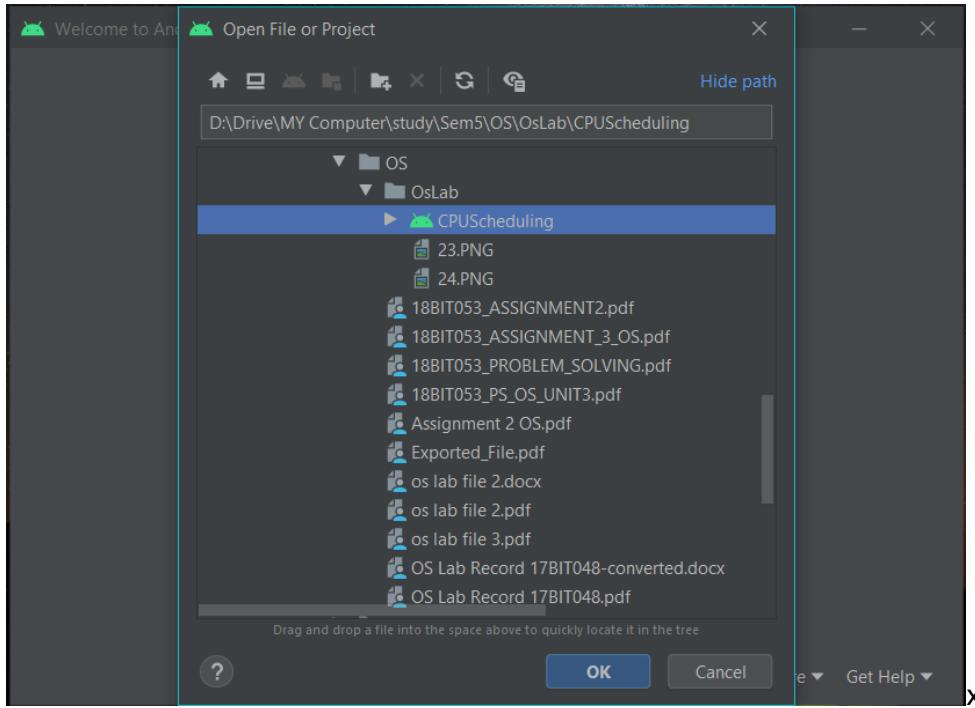
16. Then unzip the code folder sent by us and save it at your desired location on PC.



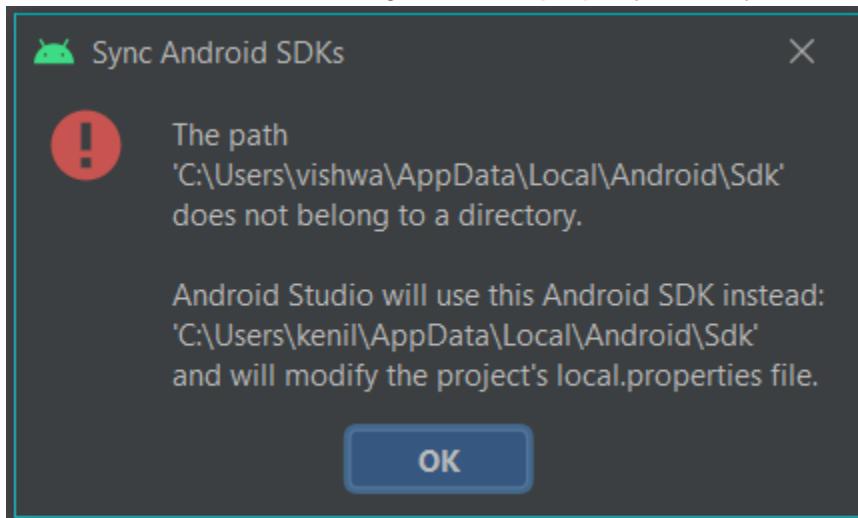
17. Open the Android Studio and then click on **Open an Existing Project**.



18. Open the location of Unzipped folder and Select CPUScheduling, then click **OK**



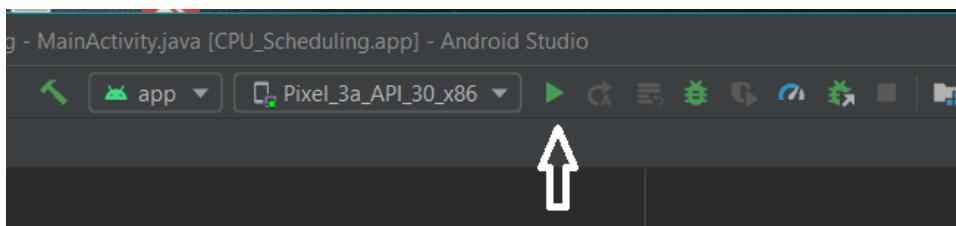
19. Click **OK**, which will change the local property file for your PC (which is different for all PC)



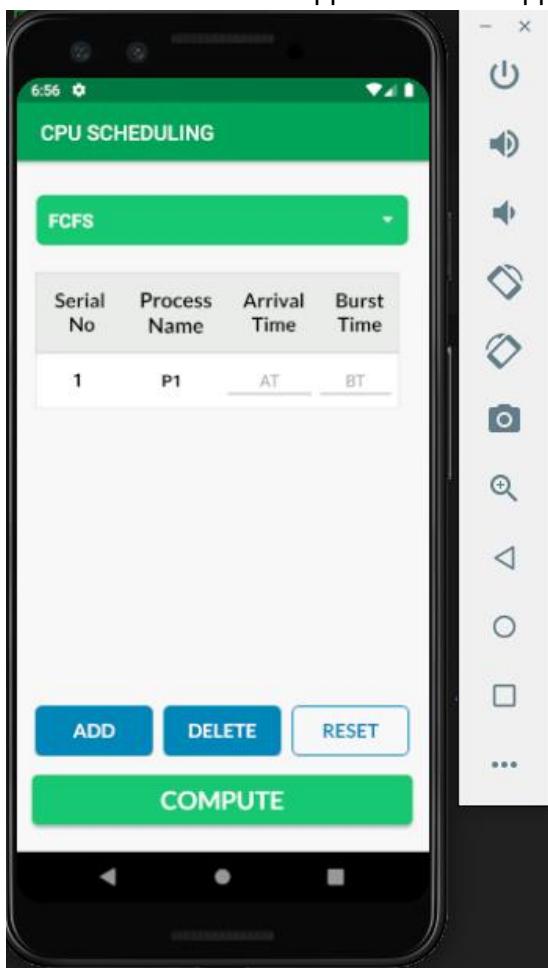
20. This code should appear.

```
1 package com.vishwa.cpu.scheduling;
2
3 import ...
4
5 public class MainActivity extends AppComputeActivity {
6     Button add_Row, deleteRow, reset, btn_Compute;
7     Spinner spinner;
8     RadioGroup radioGroup;
9     TableLayout tableCPU;
10    TableRow Row_CPU,Row_CPU_time;
11    EditText etTimeQuantum;
12    TableLayout tableInput;
13    TableLayout tableOutput;
14    TableLayout tableRow, Ans_TableRow;
15    TextView Process,serialNo,insert_priority;
16    TextView radioInpreemptive,radioPreemptive;
17    TextView AnsTable_Process,AnsTable_AT,AnsTable_BT,AnsTable_TAT,AnsTable_WF,AnsTable_CT;
18    TextView avgM, avgA;
19    EditText AT, BT, Priority;
20    String TAG = "CHECK";
21    TextView priorityColumn;
22    TextView tv_output, tv_gantChart;
23    int row_id;
24    int TABLE_ROW_ID = 8;
25    int SERIAL_NO_ID = 10000;
26    int PROCESS_NO_ID = 20000;
27    int INTERVAL_TIME_ID = 30000;
28    int BURST_TIME_ID = 40000;
29    int PRIORITY_ID = 50000;
30    int row_id;
31    int SPINMER_POSITION = 0;
32    Set MNS_TABLE_ROM_ID = 0;
33    Set AnsTable_Process_ID = 1000;
34    int AnsTable_AT_ID = 2000;
```

21. Just Click the **Run** Button.



22. This emulator will appear and the App is Running.



Enhancements that can be done in our Project

We can add other 2 topics such as Disk Scheduling Algorithms as well as Deadlock and Concurrency in the app itself that we have developed, we do not require a different app for it.

THANK YOU

