

Experiment No. - 1

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Branch: BE-CSE(LEET)

Semester: 6th

Subject Name: Mobile Application Development Lab

UID: 21BCS8129

Section/Group: 20BCS-ST-801/B

Date of Performance: 14/02/2023

Subject Code: 20CSP-356

1. Aim/Overview of the practical:

Installing and Running Application on Android Studio.

2. Apparatus / Simulator Used:

1. Linux OS/ Windows 7 or above
2. Android Studio
3. Ram 4 GB and above
4. Java (Including JDK & JRE)

3. Objective:

- a. To understand Android Studio Installation Concept.
- b. To implement the The first App in Android.

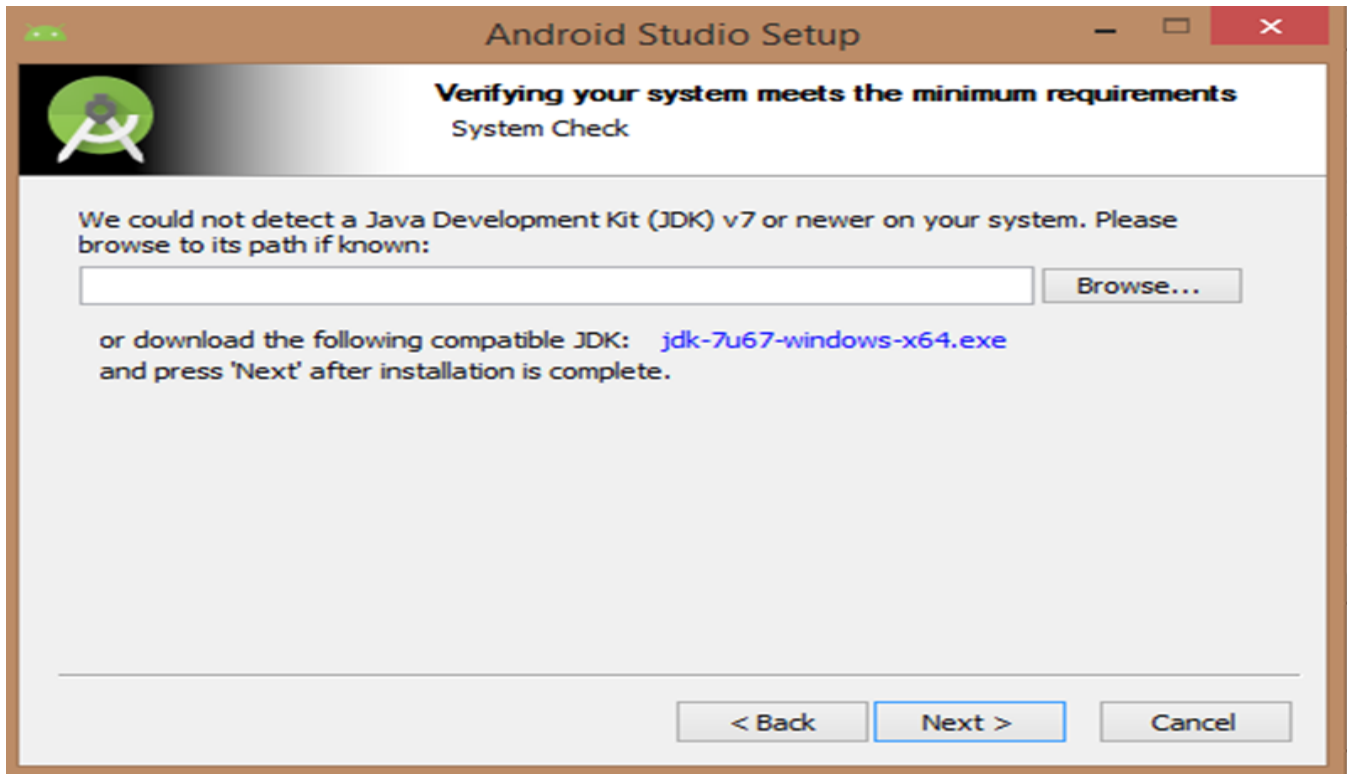
4. Steps:

Step1: Download the Android Studio from the official website. <https://developer.android.com/studio>

Step2: Launch Android Studio.exe File, and Make sure before launch Android Studio, Our Machine should required installed Java JDK & JRE. To install Java JDK,



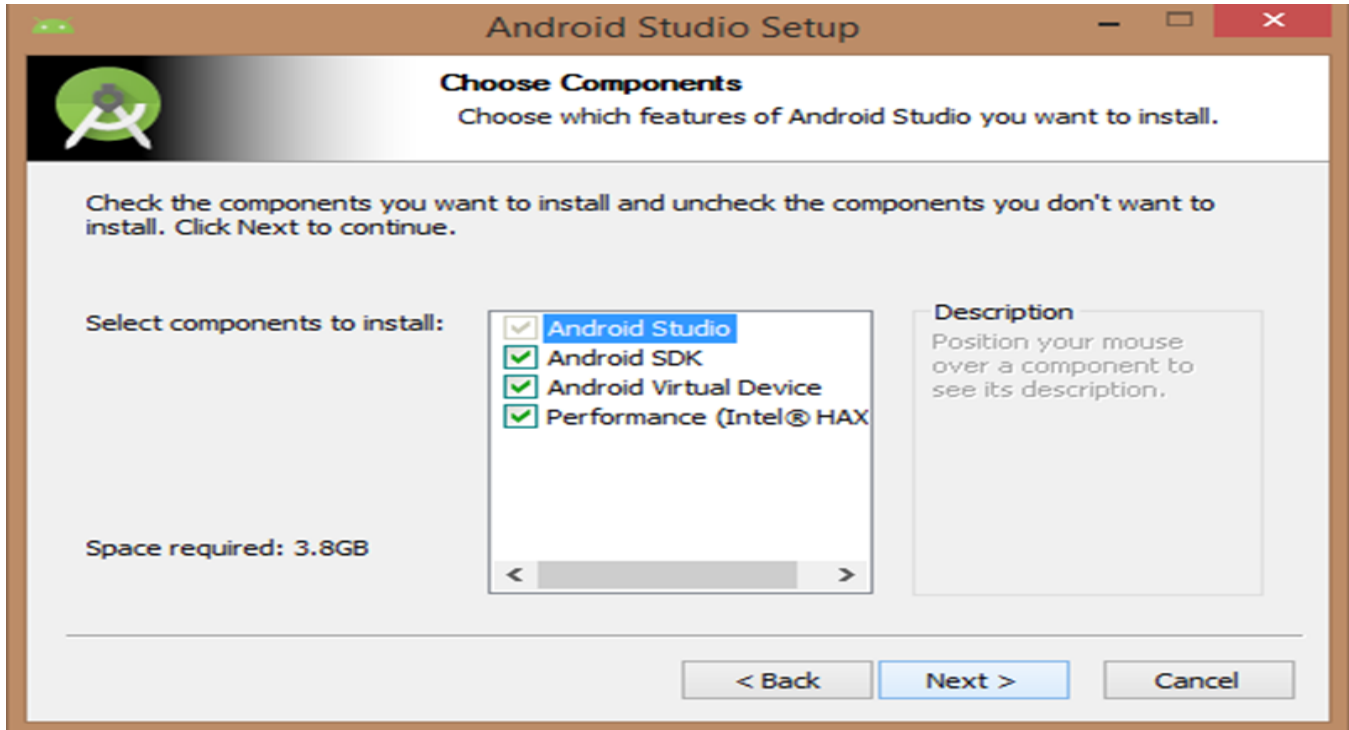
Step3: Once you launched Android Studio, its time to mention JDK7 path or later version in android studio installer.



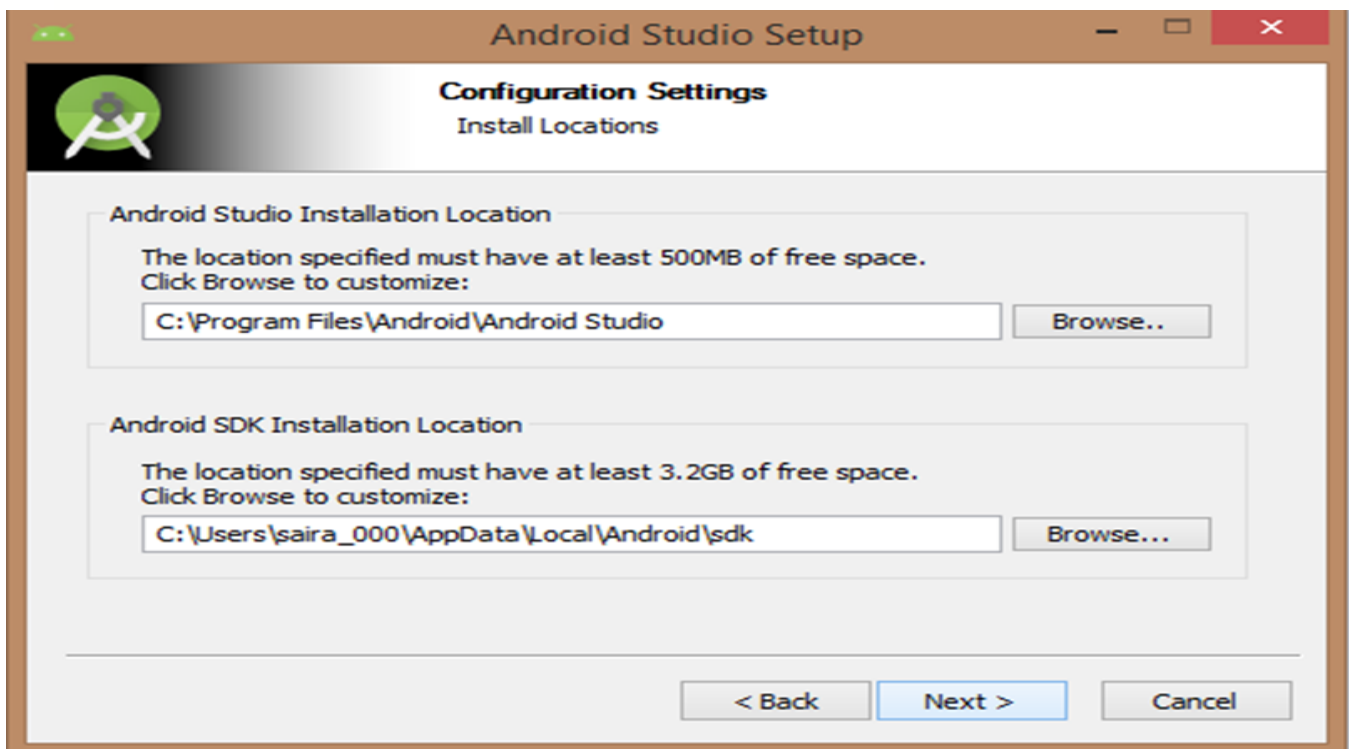
Step4: Below the image initiating JDK to android SDK



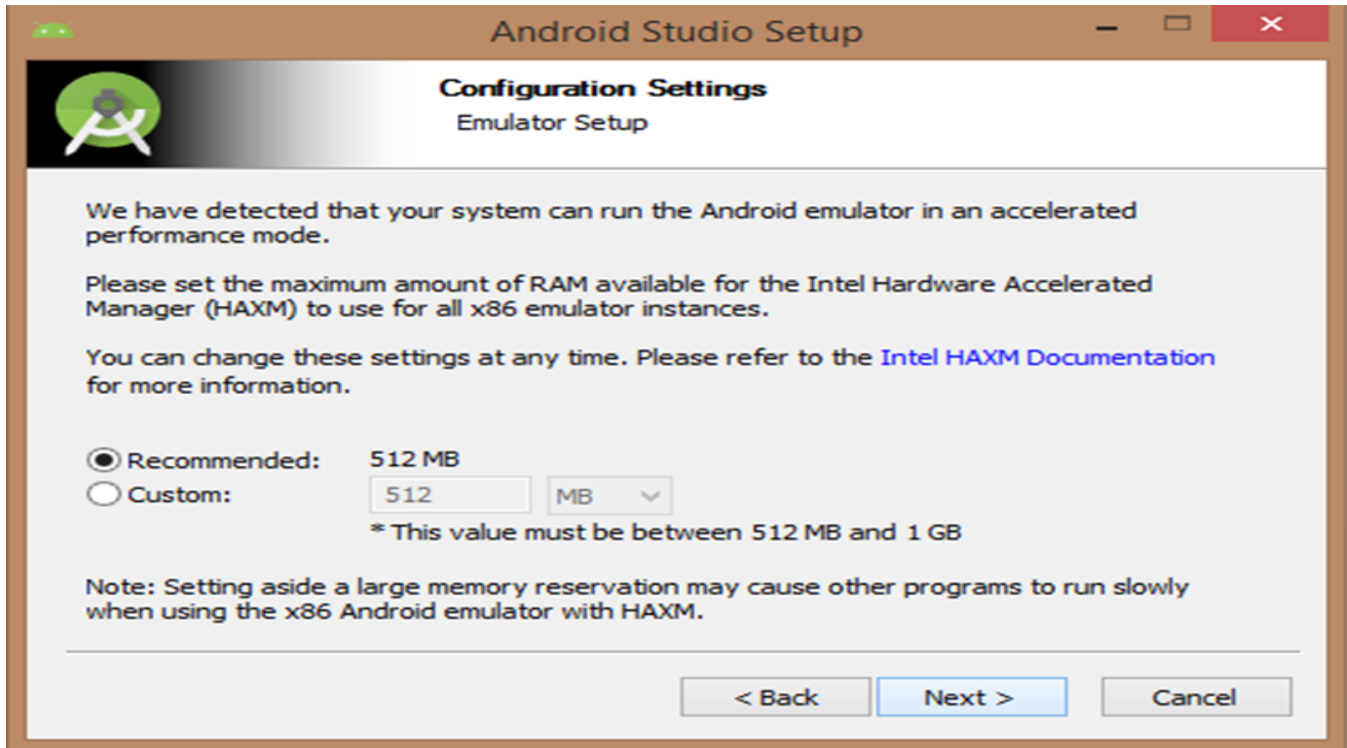
Step5: Need to check the components, which are required to create applications, below the image has selected Android Studio, Android SDK, Android Virtual Machine and performance(Intel chip).



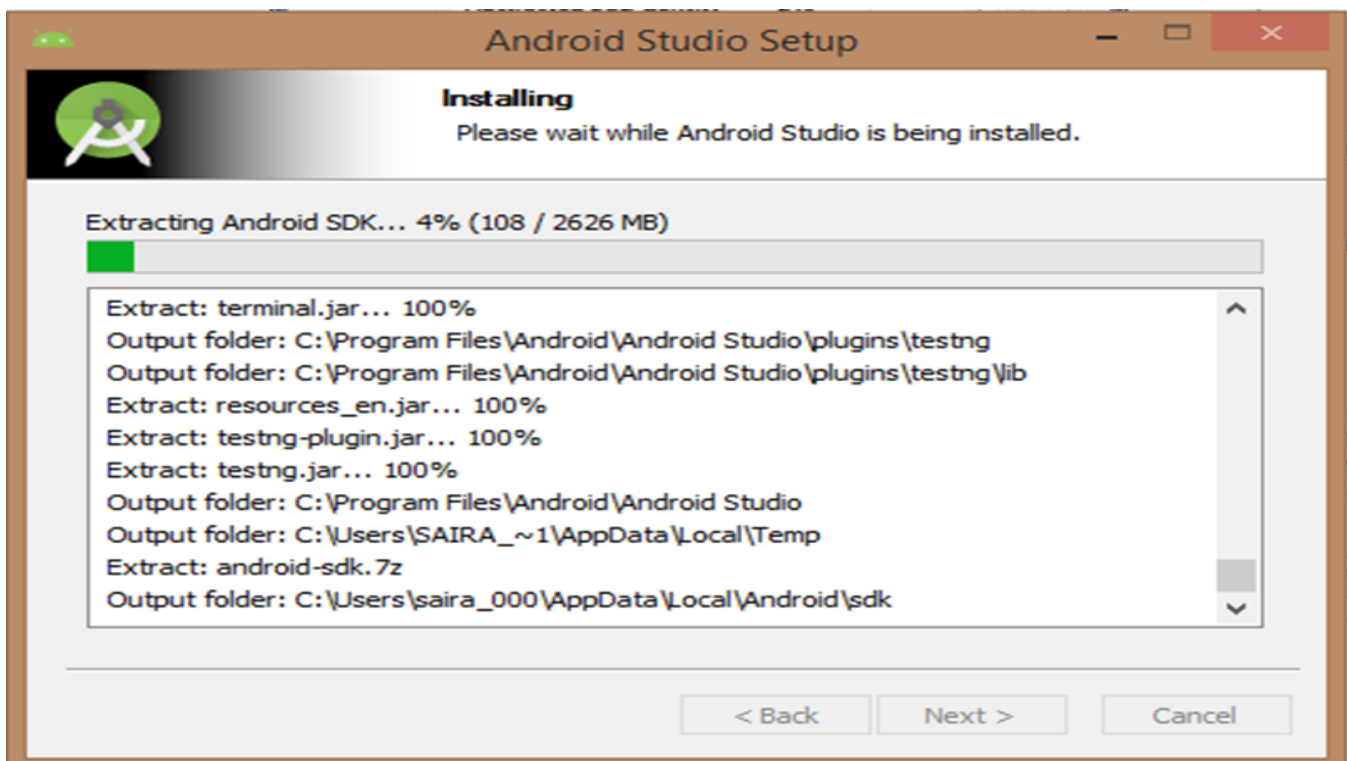
Step6: Now Need to specify the location of local machine path for Android studio and Android SDK, below the image has taken default location of windows 8.1 x64 bit architecture.



Step7: Now Need to specify the ram space for Android emulator by default it would take 512MB of local machine RAM.



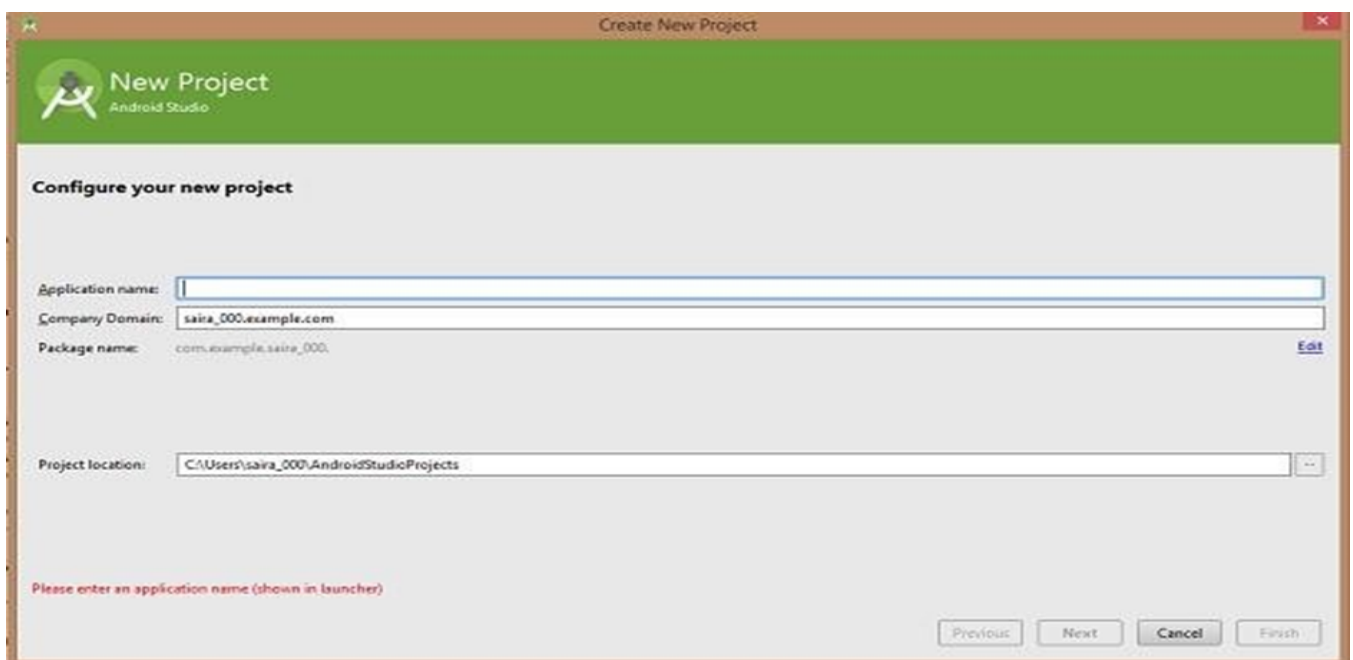
Step8: At final stage, it would extract SDK packages into our local machine, it would take a while time to finish the task and would take 2626MB of Hard disk space



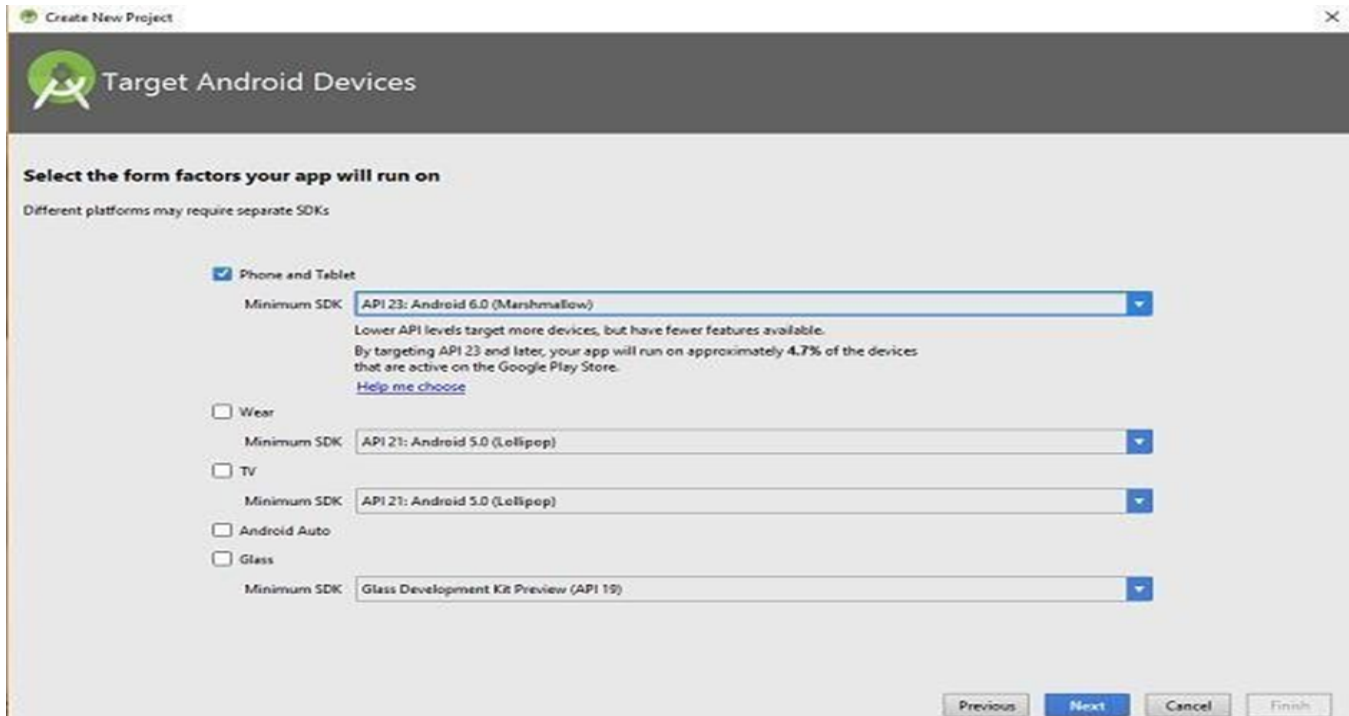
Step9: After done all above steps perfectly, you must get finish button and it gonna be open android studio project with Welcome to android studio message as shown below



Step10: You can start your application development by calling start a new android studio project. in a new installation frame should ask Application name, package information and location of the project.



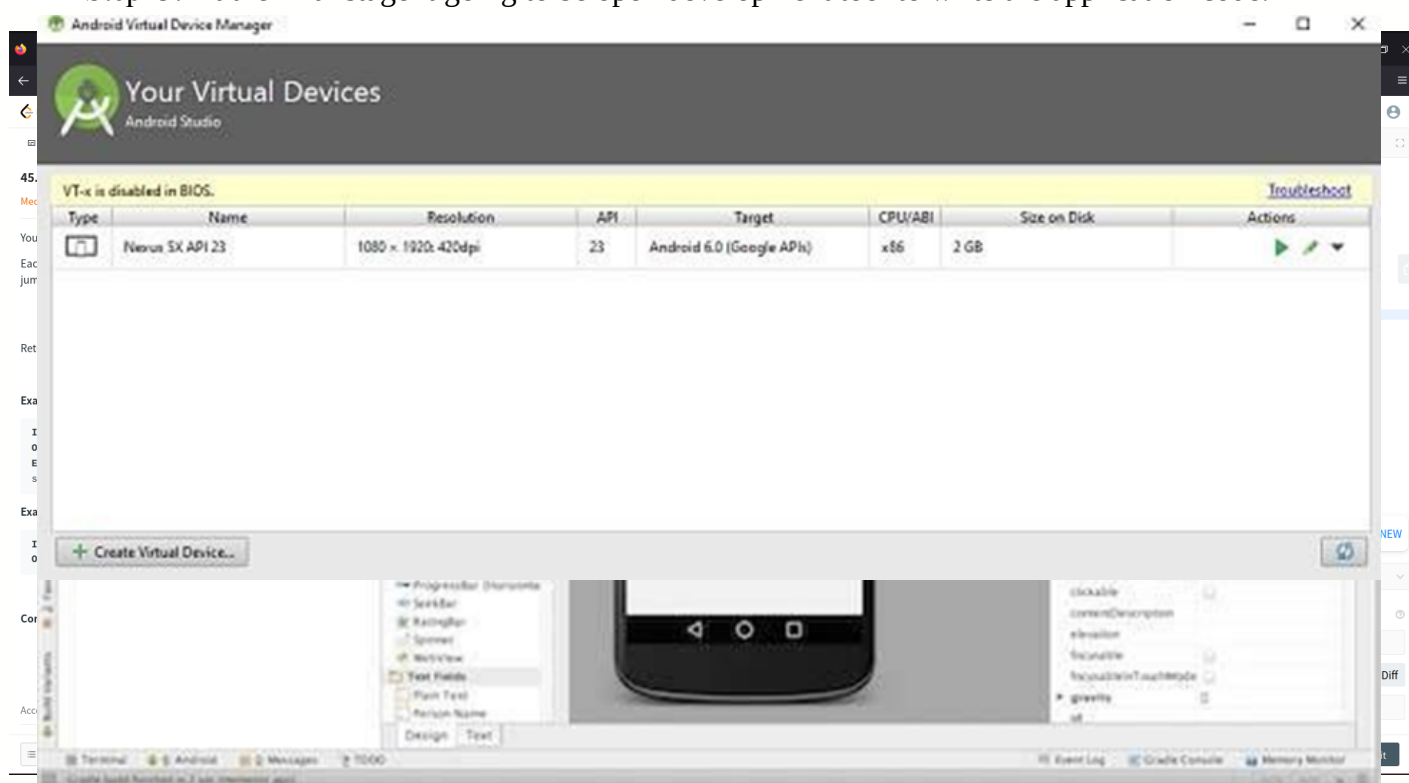
Step11: After entered application name, it going to be called select the form factors your application runs on, here need to specify Minimum SDK, in our tutorial, I have declared as API23: Android 6.0(Mashmallow)



Step12: The next level of installation should contain selecting the activity to mobile, it specifies the default layout for Applications.



Step13: At the final stage it going to be open development tool to write the application code.



Learning outcomes (What I have learnt):

- Learned the concept of LinkedList.
- Learnt about Removing Duplicates from the List.

Evaluation Grid (To be created per the faculty's SOP and Assessment guidelines):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Worksheet completion including writing learning objectives/Outcomes. (To be submitted at the end of the day).		
2.	Post-Lab Quiz Result.		
3.	Student Engagement in Simulation/Demonstration/Performance and Controls/Pre-Lab Questions.		
	Signature of Faculty (with Date):	Total Marks Obtained:	