**Experiment No. - 1**

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**Branch: BE-CSE(LEET) Section/Group:20BCS-ST-801/B**

**Semester: 6th Date of Performance: 14/02/2023**

**Subject Name: Mobile Aplication Development Lab Subject Code: 20CSP-356**

1. **Aim/Overview of the practical:**

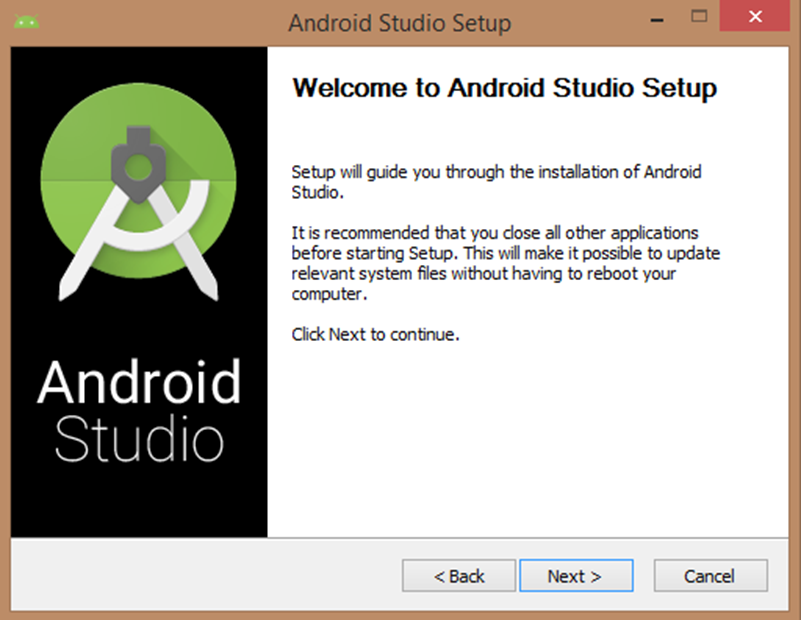
Installing and Running Aplication on Android Studio.

1. **Apparatus / Simulator Used:**
2. Linux OS/ Windows 7 or above
3. Android Studio
4. Ram 4 GB and above
5. Java (Including JDK & JRE)
6. **Objective:**
   1. To understand Android Studio Installation Concept.
   2. To implement the The first App in Android.

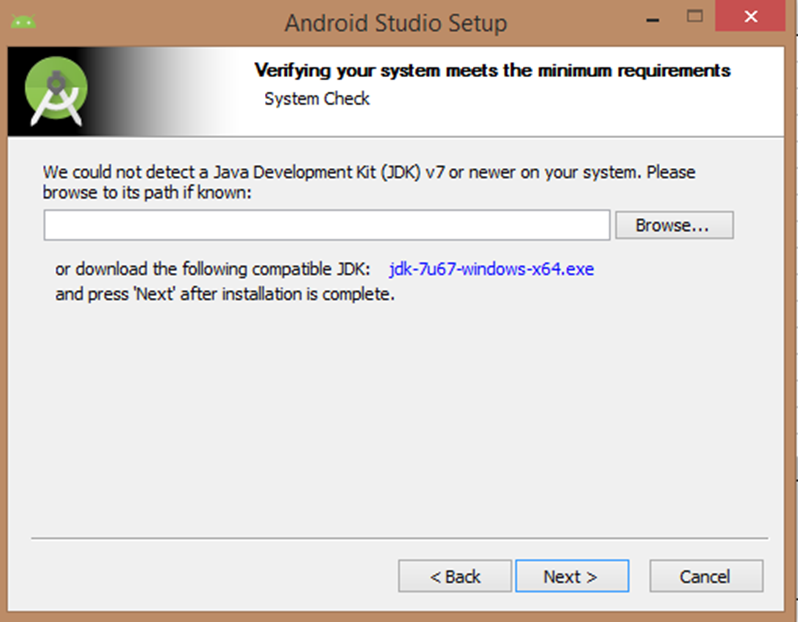
**4. Steps:**

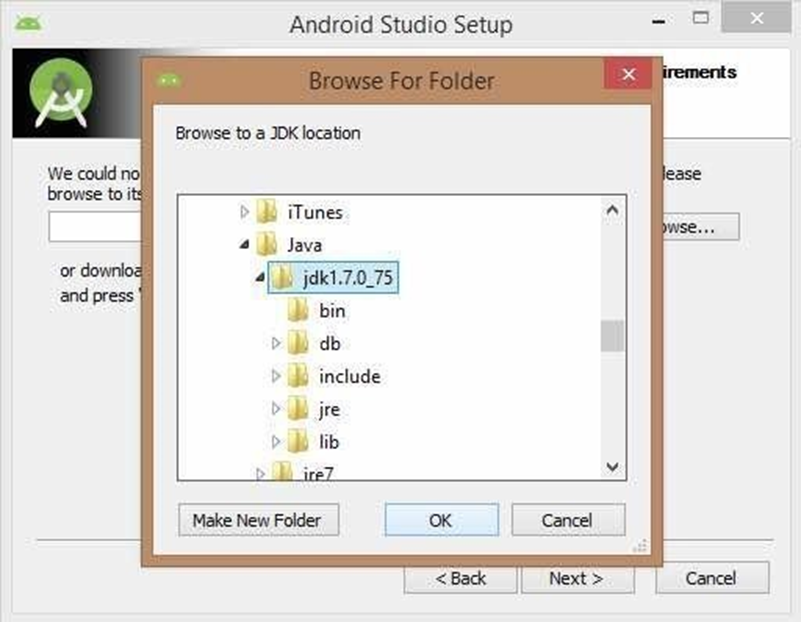
Step1: Download the Android Studio from the official website. https://developer.android.com/studio

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,

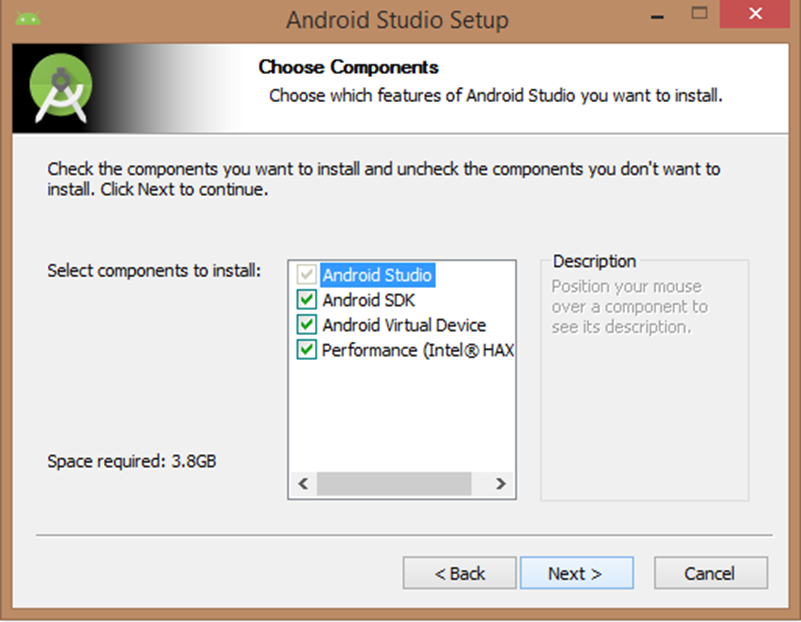


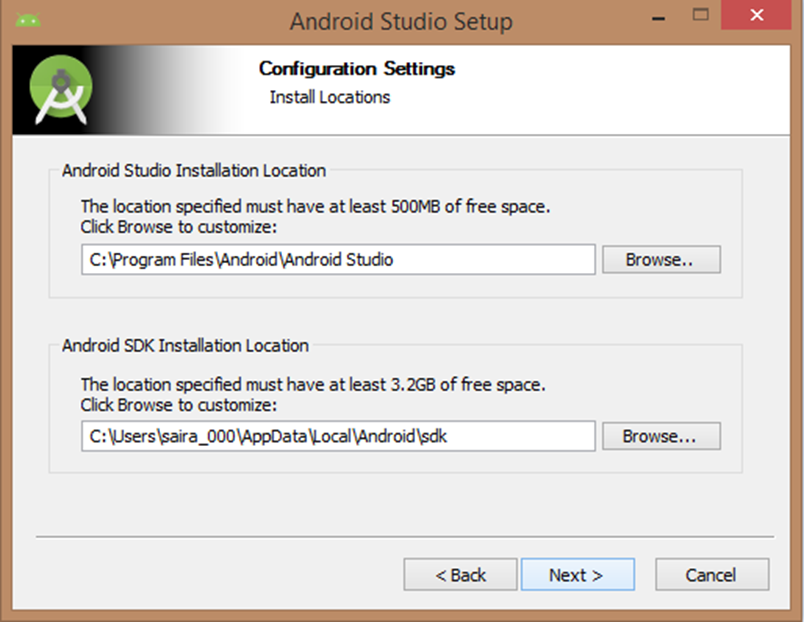
Step3: Once you launched Android Studio, its time to mention JDK7 path or later version in android studio installer.

Step4: Below the image initiating JDK to android SDK

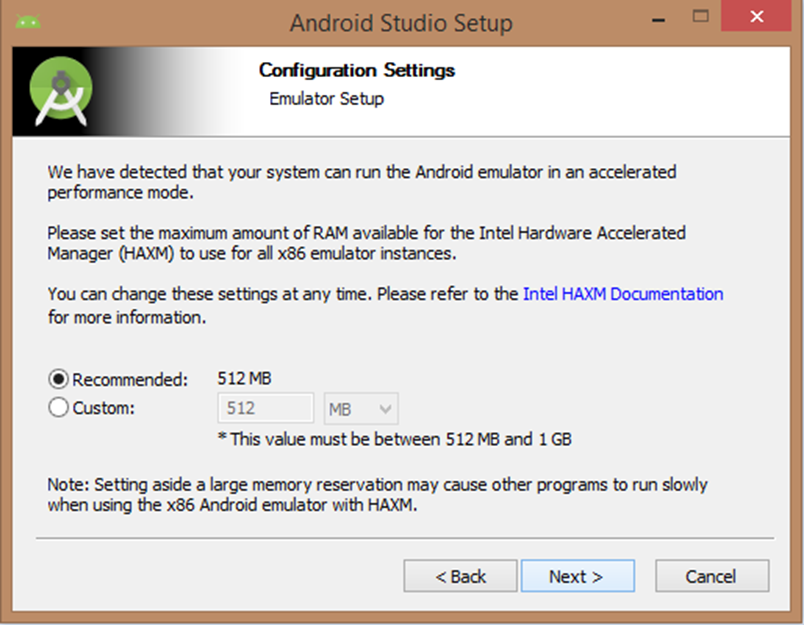


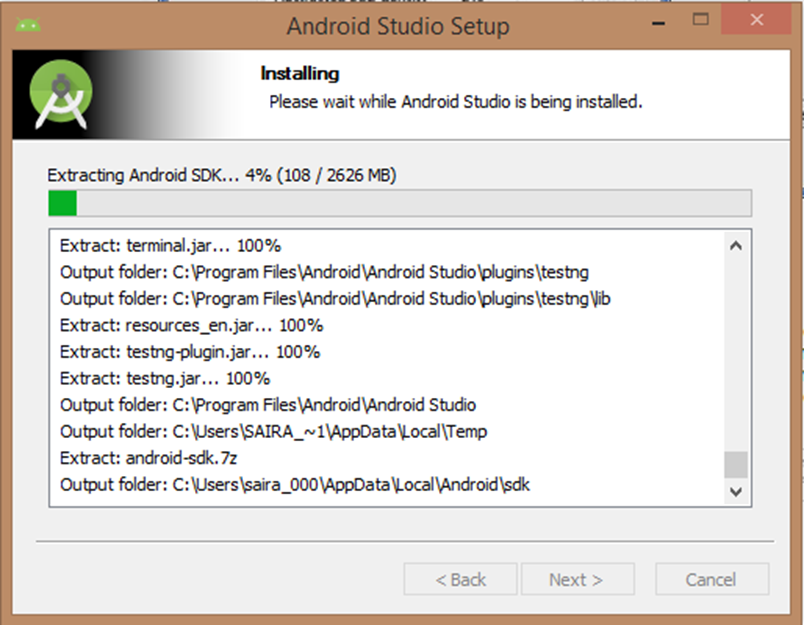
Step5: Need to check the components, which are required to create applications, below the image has selected Android Studio, Android SDK, Android Virtual Machine and performance(Intel chip).

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.

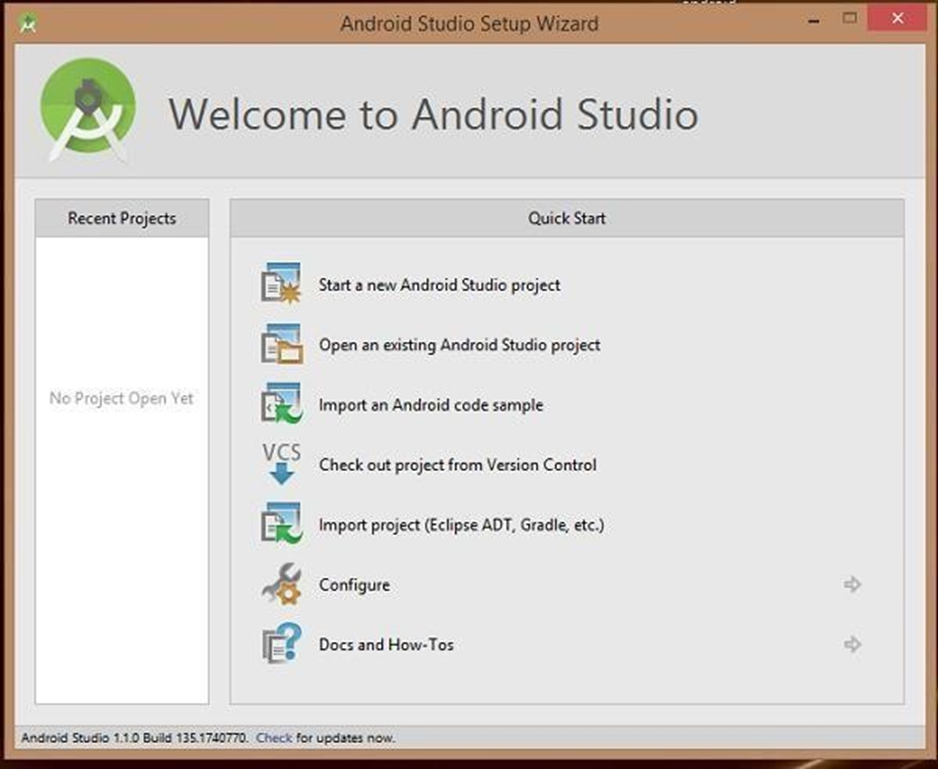


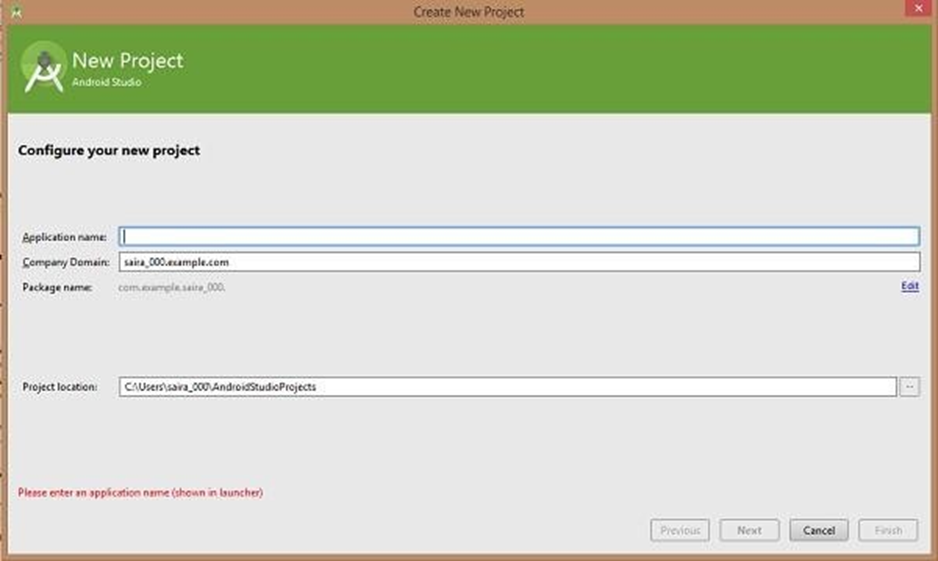
Step7: Now Need to specify the ram space for Android emulator by default it would take 512MB of local machine RAM.

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

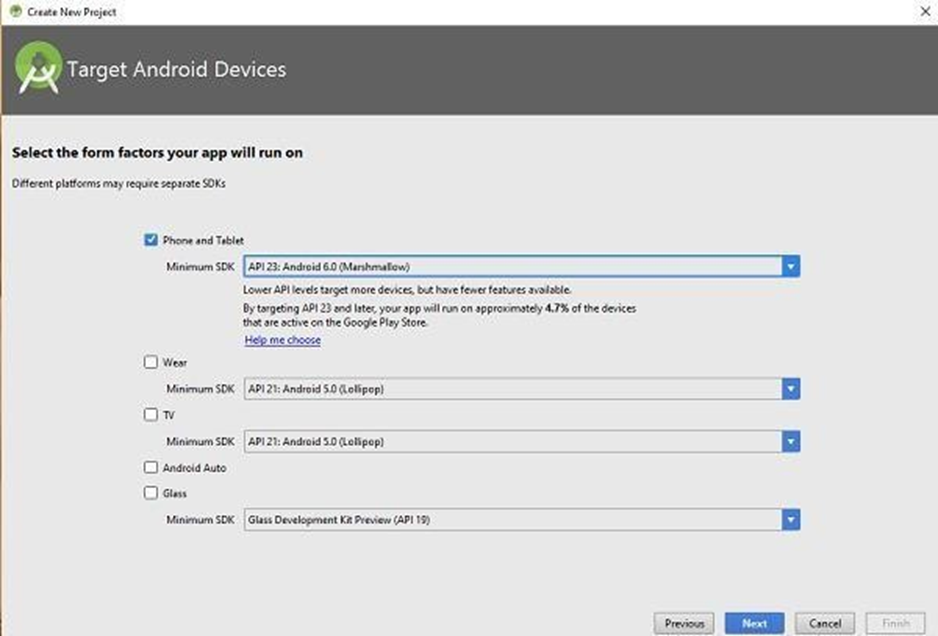


Step9: After done all above steps perfectly, you must get finish button and it gonna be open android studio project with Welcome to android studio message as shown below

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.

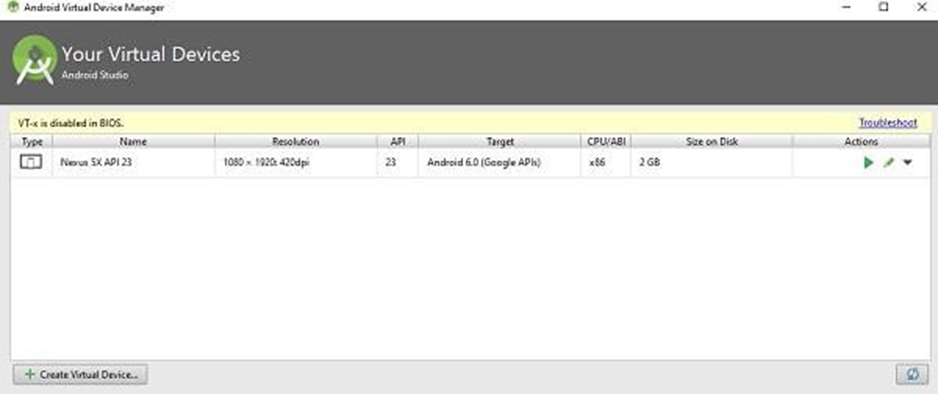
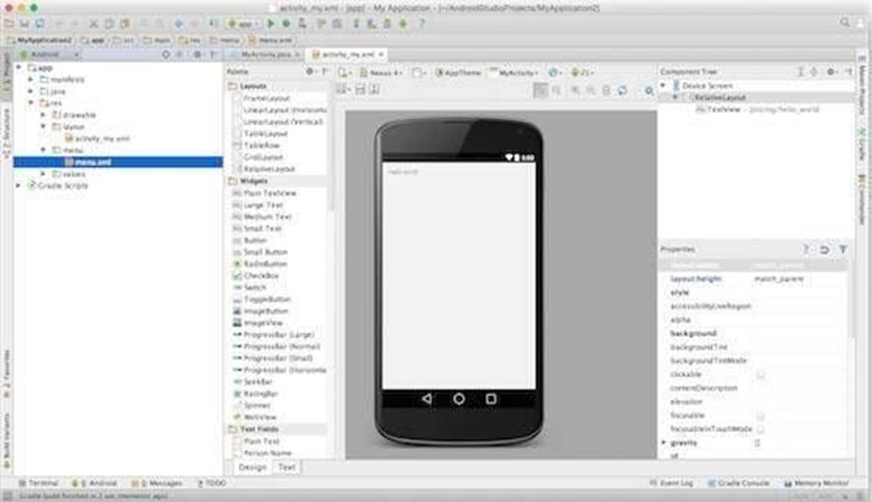
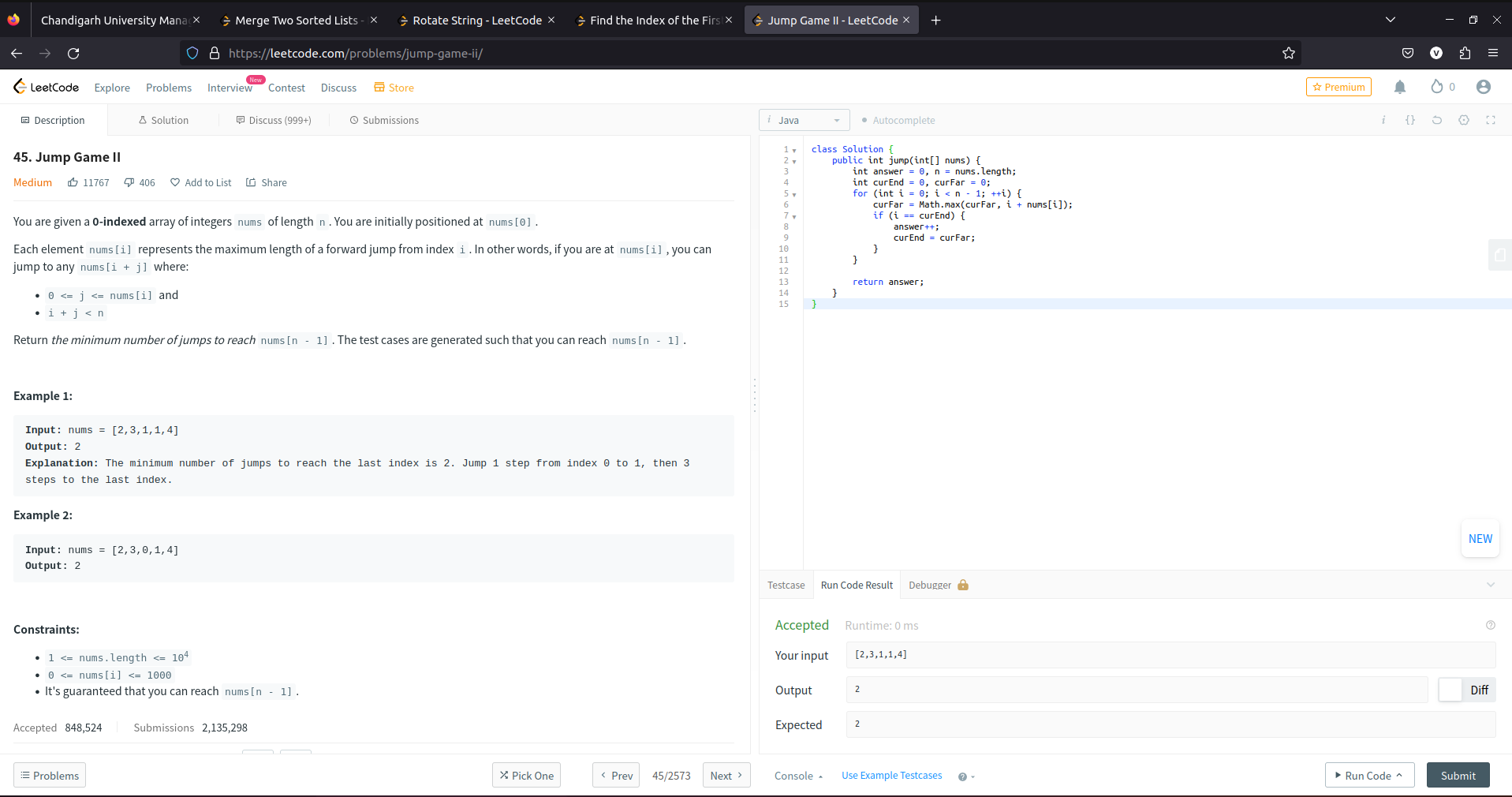


Step11: After entered application name, it going to be called select the form factors your application runs on, here need to specify Minimum SDK, in our tutorial, I have declared as API23: Android 6.0(Mashmallow)

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: |  |