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LAB WORK

1. LAB 1:

1.1 COMMON SOLUTIONS

- Increase Gradle Heap Size
- Disable Useless Plugins
- Adjusting Android Studio memory settings
- Enable Offline Work.
- Upgrade to latest Android Studio

➤ Increase Gradle Heap Size

Close already opened project in Android studio (**File > Close Project**).

On Welcome window, Go to **Configure > Settings**.

Click **Build, Execution, Deployment>Compiler**.

Change Build process heap size (Mbytes) from 700 to 1024 and Additional build process to VM Options to **-Xmx4096m**.

Apply /Ok .

Restart Android Studio.

➤ Disable Useless Plugins

First, click on **File -> Settings -> Plugins**

Now, disable or Check Off all the plugins which not usable for you.

Click **Apply -> OK** and restart Android Studio.

➤ Adjusting Android Studio memory settings

We can Adjust our Android Studio memory settings for better performance.

Appearance & Behavior -> System Settings -> Memory Settings

1.2 STUDENT'S INDIVIDUAL WORK

1.2.1 FA17-BCS-014

Enable Offline Work:

- Open the **Preferences** window by clicking **File > Setting**
- In the left pane, click **Build, Execution, Deployment > Gradle**.
- After that check, the **Offline work** checkbox and click **Apply or OK**.

➤ Replacing HDD by SSD can also improve the performance of Android Studio.

1.2.2 FA17-BCS-020

Keep Your Tools Up-to-date:

- Download latest version (<https://gradle.org/gradle-download/>) and unpack somewhere.
- Update path in Android Studio: **File > Settings > Build, Ex../Gradle**

1.2.3 FA17-BCS-024

Disable Your Antivirus:

Disable your antivirus or mark the development and android studio folders in your antivirus as safe/add an exception so that it does not keep scanning again and again.

