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**Class: BESE5B**

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**Subject: Software Construction**

**Assignment 1**

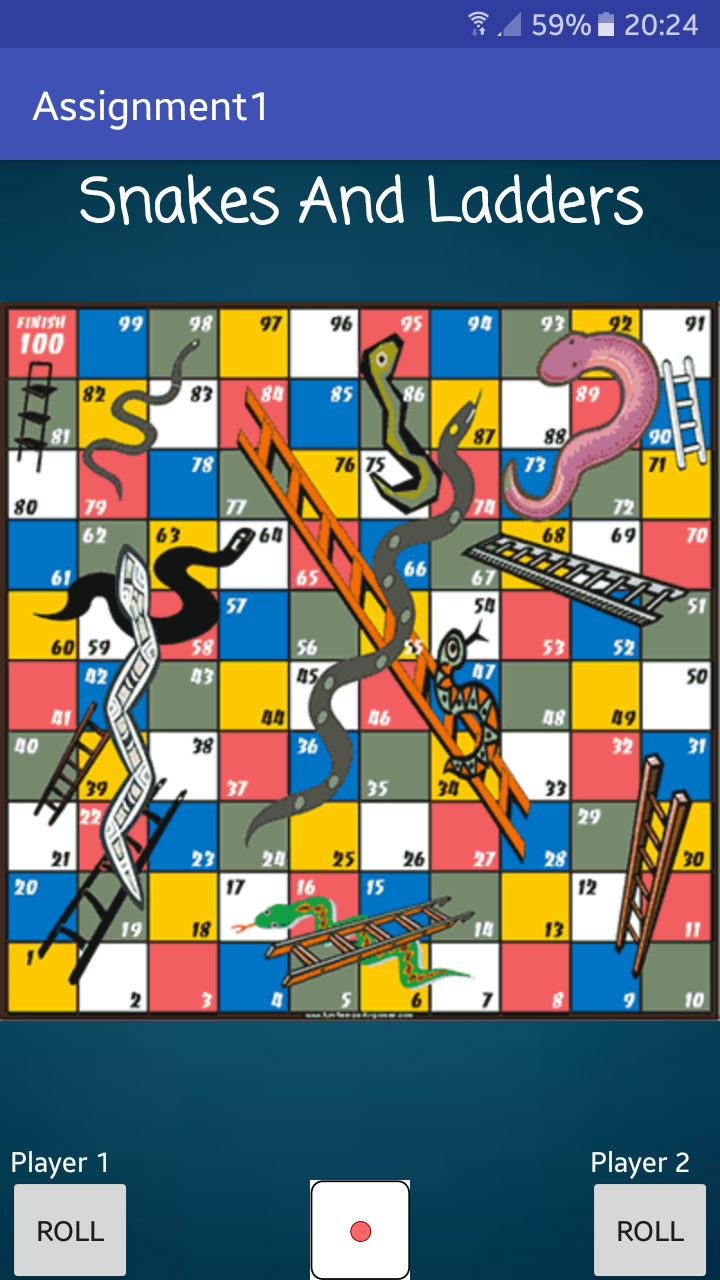
Introduction**:** For this assignment we were assigned with the task of creating an android app around the snakes and ladders game. In the game there are supposed to be 2 players, one user and one AI, who compete against each other to reach to 100 from 1 by avoiding the snakes and hoping to land on the ladders. The players move from their respective positions by rolling a dice and they can get 1, 2, 3, 4, 5 or 6 as the amount of steps they can move.

**Novelty (What I Learned):** I basically learned how to use android studio to create apps, use different images, buttons, text boxes etc to create the app. I learned how to use onClick Listeners and how to roll a dice on each button click by using the onClick function. On each dice roll a random image was generated through the onClick function.

**How to Run App:** There are 2 ways to run the app:

1. Connect your cell phone to the computer and press the run app button. After which you have to just select your deployment target which is your cell phone and just press ok. Then you have to wait a bit till the build is complete and the apk is installed, after which the app will be installed on your cell phone and you can run it.
2. Simply press run and when selecting the deployment target just choose an emulator that will run your app for you. So press OK and then again you have to wait for it to build before you can use the app. So once all that is done you can simply run the app using the emulator.

**Screenshot:**

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