Spider, R&D
Appdev Inductions 2018

Hello App Devs,

We finally begin our journey for the Appdev Inductions. The induction procedure is designed not just to serve as a basis for induction but also to give you a great learning experience throughout the process. We wish that you grasp as much as knowledge as possible during the duration of the process.

With this being said, let us begin with the journey through the induction process with your initial Task 0. But before that you need to setup your work environment in order to start the task at hand:

1) Install JDK
2) Install Android Studio
3) Setup your Github account and install git.

1) Install JDK(Java development kit)

Windows:

To do this, first check if jdk is already installed on your system by typing out "javac -version" in the terminal. If not, install the latest version of the JDK in your system from the following source:

http://www.oracle.com/technetwork/java/javase/downloads/index.html

Finally set the PATH variable to point to your jdk installation:

https://www.java.com/en/download/help/path.xml

Linux:

If you are working on a linux system, most likely you will be having your jdk files pre-installed in the system. If not you can install it by following the instructions in the given link

https://www.digitalocean.com/community/tutorials/how-to-install-java-with-apt-get-on-ubuntu-16-04 (for ubuntu)

For other linux distros, you can check it out on google by searching for installation instructions.

2) Installing Android Studio

Android Studio can be downloaded and installed by following the steps shown in the following source https://developer.android.com/studio/install

3) Installing Git and setting up your account on Github

Git is a Version Control System which is used to maintain versions for your code and proceed with your project without worrying about breaking your previous versions. Github is an online platform used to collaborate code with each other.

You can learn about git at https://www.atlassian.com/git/tutorials. The beginner and getting started tutorials are enough for now.

Instructions for installing git can be found at:
https://www.atlassian.com/git/tutorials/install-git#windows

For Windows users, we recommend using the Git Bash client. This link provides clear instructions for installing the same https://www.youtube.com/watch?v=rWboGsc6CqI.

Incase you get stuck at some place, your mentors are always there to help you out.

Now, that you have got an idea about git, we can proceed towards our initial task i.e Task 0.

TASK 0: Pay the Piper

For this task you will have to show a random integer on screen. Your job is to pay the randomly shown price using coins of denominations ₹1 , ₹2, ₹5 and ₹10 coins. This is to be accomplished using different buttons for each coin, and increment the payment value accordingly for every button click until the amount displayed is paid. Once the amount is paid signal the user by changing the background colour of the screen.

You can choose to have a reset button to reset the payment value incase of a mispayment.

NOTE: There is no Hacker mode for Task 0.

Submission: You will have to create a repository on Github for your task and push your code to the repository. Submit the link for this repository to your mentors once your final code is successfully pushed. The mode of submission of those links is upto the mentor.

>>>**Deadline for this task:** *18th May, 2017.*

Note: All of these deadlines are soft deadlines and can be extended under valid reasons.

Your mentors are here to help, so do not hesitate to approach your mentors regarding any doubts or concerns which you may have in your tasks.

All the very best for your task. Happy Coding !!!
From Team Spider.