**Readme for Personal Project**

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**Adjusting Ringtone Volume in android according to the sound around the phone.**

For example : For quiet places we do not want the phone to ring very loudly, using this app the ringtone is adjusted to be minimum, so that it is audible only to the person needed and do not disturb others. On the same line, for loud places the ringtone volume is adjusted to the maximum value.

**Demo :**

In the demo, first I have kept silent environment, where my volume is minimum. Then I have played the song to show the increase in ringtone volume. As I reduce the sound, the ringtone volume goes on decreasing.

When I make the switch off, even during silence the ringtone volume does not decrease. The moment I switch ‘ON’ the volume is adjusted according to the environment.

For this I have used MediaRecorder in android. This recorder will monitor the sound around the phone.

For adjusting the ringtone Volume, I have used AudioManager.

According to the below given chart I have adjusted the sound

0-40 DB : minimum

40-70 DB : medium

above 70 DB: Highest.

I have also provided a switch in my app, using which user can set his preference whether he wants the ringtone volume to be adjusted automatically.

