

GSM Base Alarm System

Arduino IDE Codes

Helsinki Metropolia University of Applied Sciences

Electronics Engineering

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| Project | GSM Based Alarm System |
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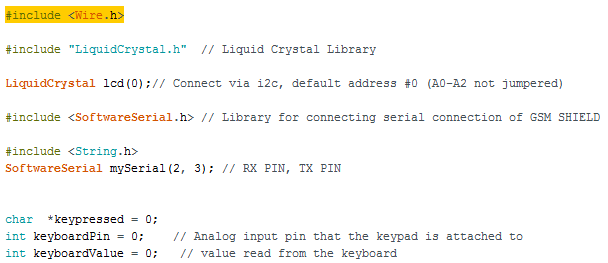
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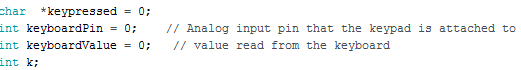
# Arduino IDE

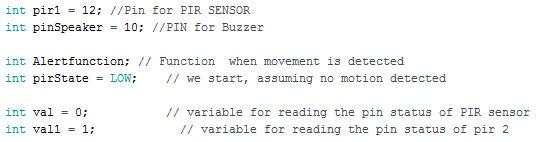
The open-source Arduino Software (IDE) is a platform to program all the Arduino Boards co-operating with any system, the latest version available is Arduino 1.6.6. This environment is written in JAVA and based on Processing and based on other open source software’s.

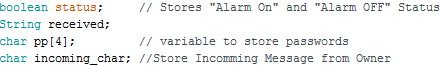
## **Pre-processor Command**



## **Definitions**

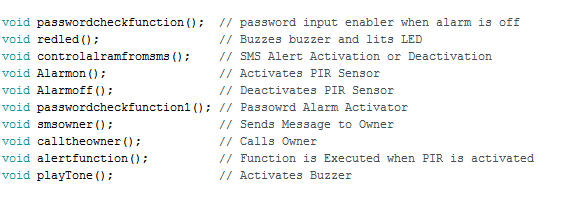




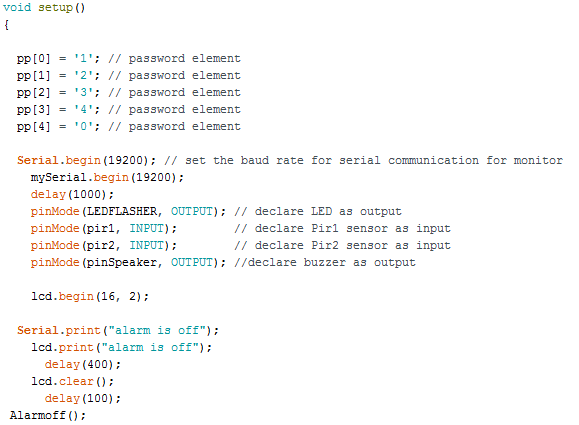


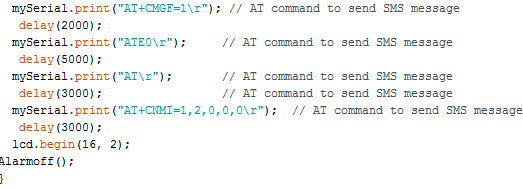


### **Function Definitions**

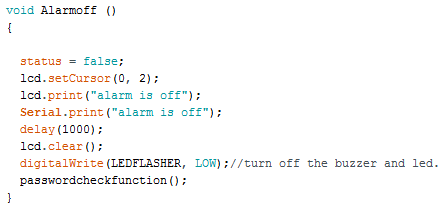


# Main Function Void Setup ()

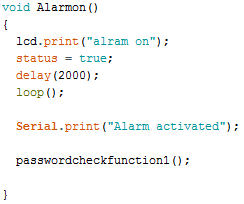




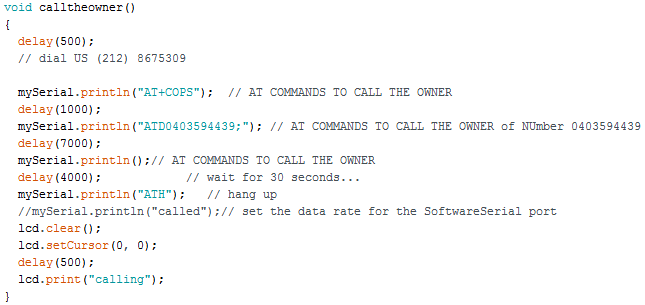
## **Void Alarmoff ()**



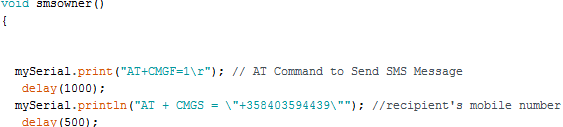
## **Void Alarmon()**

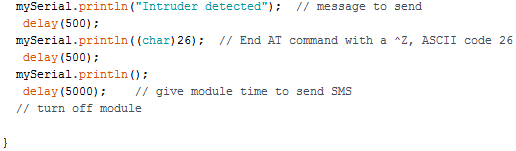


## **Void calltheowner()**

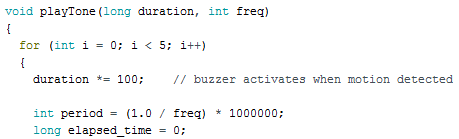


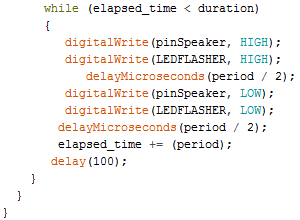
## **Void smsowner()**



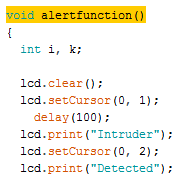


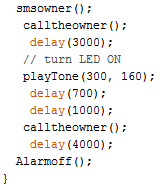
## **Void playTone(long duration, int freq)**



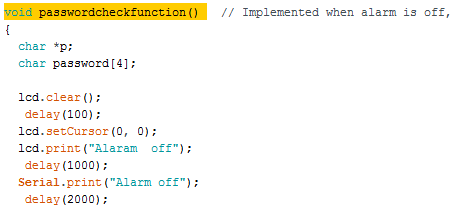


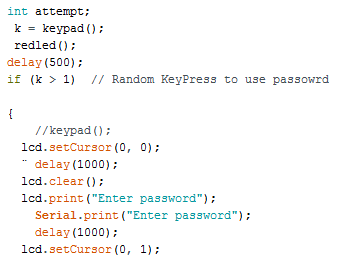
## **Void alertfunction()**

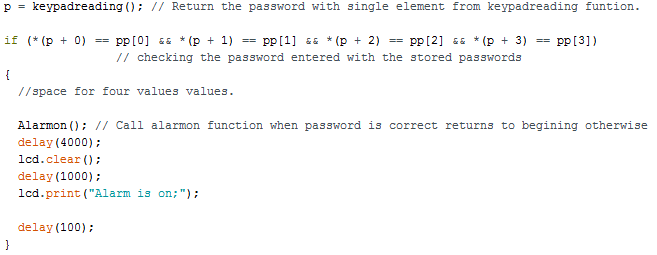


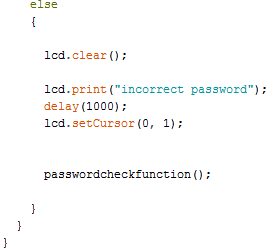


## **Void passwordcheckfunction()**

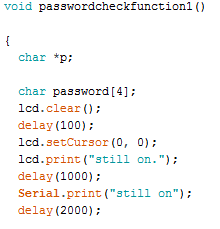


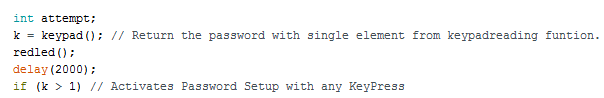


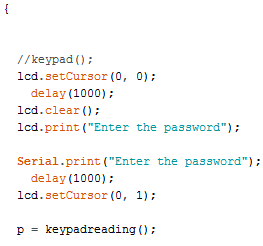




## **Void passwordcheckfunction1()**





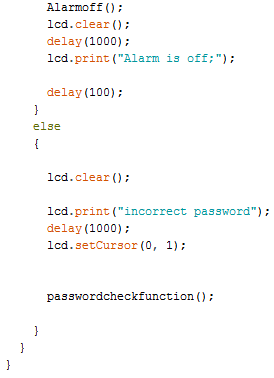


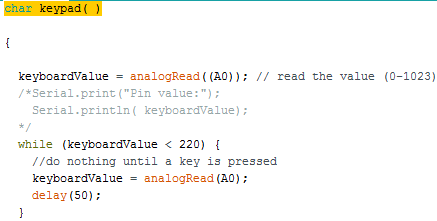
if (\*(p + 0) == pp[0] && \*(p + 1) == pp[1] && \*(p + 2) == pp[2] && \*(p + 3) == pp[3])

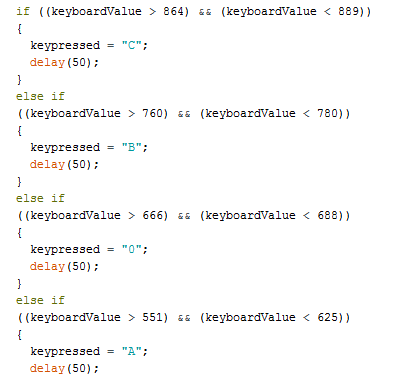
// checking the password entered with the stored passwords

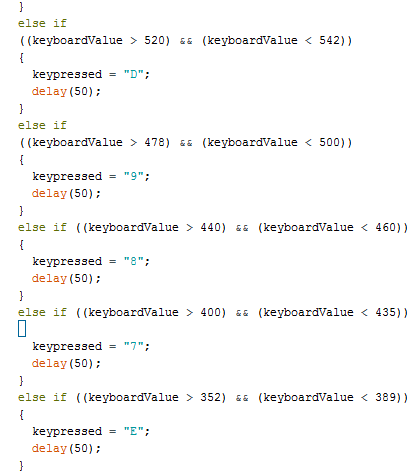
{

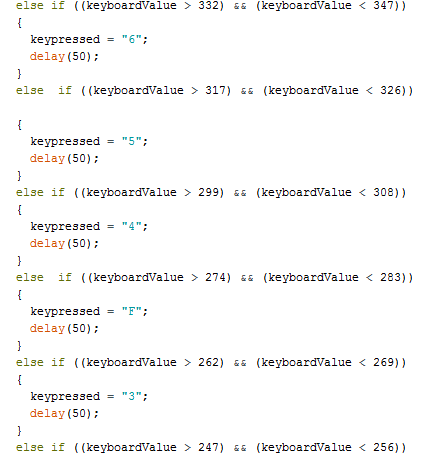
//space for four values values.

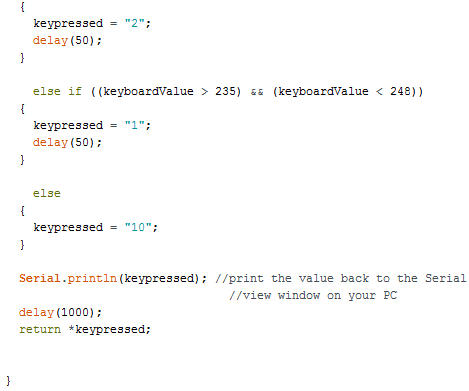












# References

[www.arduino.com](http://www.arduino.com)

<https://forum.arduino.cc>

<https://www.arduino.cc/en/Reference/HomePage>