

People Counter Task 1

Deadline: 23/05

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The first task for this project would be to know about Arduino. You can go through the below mentioned link to get to know about different components of an Arduino.

Link: [A tour of the Arduino UNO board \(hackerearth.com\)](https://hackerearth.com/tour-of-the-arduino-uno-board)

There is a video series link attached to this document where the basics is explained. The first 8 videos are compulsory for everyone, you can watch all for more information.

Link: [Tutorial 01 for Arduino: Getting Acquainted with Arduino - YouTube](https://www.youtube.com/watch?v=0l381T1kYpQ)

Next thing is to get familiar with the online platform we will be using for simulations. Create an account in Tinkercad and go through sample projects given so as to get a grip over it.

Link: [Dashboard | Tinkercad](https://www.tinkercad.com/dashboard)

Assignment:

Build a circuit using Arduino in Tinkercad which has three LED lights which blink in consecutive order with some frequency. (This assignment is for practise of writing code of Arduino.)

All the functions that are used in Arduino are documented in the link provided below.

Link: [Arduino Reference - Arduino Reference](https://www.arduino.cc/en/Reference)

I suggest you guys to explore more about Arduino, build small circuits using Arduino (many are available over internet) so as to gain confidence.