1.Assalamualaykum

This is the presentation about my Arduino project   
2.So my project name is firefly lighting

My name is Niamul Hasan

ID:26

So, let’s begin,

3.First of all let’s see the necessary equipment

Equipment for the projects

1. Arduino UNO
2. LEDs (12 piece)
3. Switch (2 piece)
4. Resistor (POT 14 piece)
5. VCC-Power source(2 piece)
6. GND-Ground(3 piece)

4.Now about the project:

Here will be 2 switch:   
1 is for turn on/off the whole system and another 1 is to to change the functionality of the LEDs

5.Here total 2 types of functionalities will be shown:

I named 1 functionality as “up – down” another one is ALL functionality   
So, let’s see the functionality one by one.

6.Functionality 1: when both switch are on, then this up-down functionality will be working.  
where first led from bottom will power ON then 2nd from bottom .like this it will power on all the leds to up .. then it will start power off from up to bottom.  
now it will power on the leds from up to bottom and power off from bottom to up .

now time for the second function.

7.

Functionality 2: where Power switch is ON and Functionality change switch is OFF)

Now, finally   
This is my project’s circuit diagram.

Here, at the top left corner we can see a switch numbered as 2. This switch is to power up the whole system.   
when this switch is on the whole system is on.  
let’s consider that it is on and the system is running stage.

Now, we can see another switch at bottom left.  
this switch is to switch between to functionalities of LED lights.

if that switch is on then the LEDs will power up as ups and down.  
if that switch is off then the LEDs will show multi functionalities.