Day 1 Assignment: **NAME:**

CLASSWORK
NOTE: DAILY evaluation will be done.

Q1 Write a program to blink RED LED connected to Arduino Pin Number: Analog 0 (A0)

Q2 Write A Program (WAP) to Show moving light effect (walking ones effect) on 4 LEDs connected to Arduino's Pin no. A0, A1, A2, A3.
LED Colors must be in the sequence: **R**ed, **Y**ellow, **G**reen , **W**hite/Blue
HINT:
1= ON
0= OFF

```
        Loop()
        {
                RYGW
                0001
                0010
                0100
                1000
        }
```

Q3 Write a program to display A P P L E on seven segment display
```
Loop()
{
        A (delay) P (delay) P  (delay) L  (delay) E  (delay)
}
```

HOME WORK
Submit the answer with 24hours (ie12:30pm next day) or as directed by mentor to :
drop.box.submit@gmail.com
eMail Subject: Team No, Assignment No 1, Q4

Q4
Declare two int variables A and B in the program (initialize between 0 and 4). The sum of A and B can goto another variable C. Display C on Seven Segment display.
Hardcoding the answer is not allowed.
Write a function and complete program (execute it in Arduino, this will give you confidence!)

Void displayNumber(int n)
```
{
        If (n<0 || n>9)
                // do not display anything but 'dot' on the display
        else
                switch(n)
                        {
                        case 0: /* code to display 0 */ break;
                        case 1: /* code to display 1 */ break;

                        case 9: /* code to display 9 */ break;
                        }
}
```
NOTE: This function will be used in other assignments as well