```c
//Generate 08 numbers in Fibonacci series and display it on seven segment display at half hertz once.
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//NNM24EE127
//TASK 2F
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#include<MicroLABlet.h>
sbit buzzer=P3^5;

unsigned char a=0, b=1, count, fibonacci;

void main(void)
{
  P1=0x00;                      //set port 1 as output port
  buzzer=0;                     //set buzzer taht is port 3.5 as output port
  buzzer=1;                     //to turn off buzzer

  display(a);                   //displaying value of a
  delay(2000);                 //0.5Hz, 1/0.5=2sec that 2000ms
  display(b);                   //displaying value of b
  delay(2000);                 //0.5Hz, 1/0.5=2sec that 2000ms

  for(count=0;count<8;count++)  //for loop to caluclate fibonacci of range from 0->8
  {
    fibonacci=a+b;              //calculating fibonacci
    display(fibonacci);         //sending value of fibonacci to diaply function to dispaly the result
    delay(2000);               //0.5Hz, 1/0.5=2sec that 2000ms
    a=b;                       //setting value of b to a
    b=fibonacci;               //setting value of fibonacci to b
  }
}
```