

```

/*
  This program is to test Led dot matrix Display interfacing with
  Arduino

  Developed by: Team UTD - Hubli
               19 - June - 2019

  Connect VCC of Led dot matrix display to +5V of Arduino board
  Connect GND of Led dot matrix display to GND of Arduino board
  Connect Clock of Led dot matrix display to 11 pin of Arduino board
  Connect Cs of Led dot matrix display to 12 pin of Arduino board
  Connect Din of Led dot matrix display to 13 pin of Arduino board

  Upload the code and check in Serial Monitor.
*/

#include <LedControl.h>          // Library for Dot Matrix LED control

int DIN = 13;                    // Arduino Digital Pin's used for LED Matrix
int CS = 12;
int CLK = 11;

LedControl led = LedControl(DIN, CLK, CS, 1); //Creating led object using
declared Pins

byte A[8] = { 0B00011000,      // Charector A is created using binary bits
              0B00100100,
              0B01000010,
              0B01111110,
              0B01000010,
              0B01000010,
              0B01000010,
              0B01000010
            };

void setup()
{
  led.shutdown(0, false);
  led.setIntensity(0, 5);
  led.clearDisplay(0);
}

void loop()
{
  printByte(A);          // Prints A on LED matrix
}

// This program helps to print data on LED matrix
void printByte(byte character [])
{
  int i = 0;
  for (i = 0; i < 8; i++)
  {
    led.setRow(0, i, character[i]);
  }
}

```

}  
}