

SMART VOTING SYSTEM

SOURCE CODE

```
#include<LiquidCrystal.h>

LiquidCrystal lcd(13, 12, 11, 10, 9, 8);


#define S1 7

#define S2 6

#define S3 5

#define S4 4

#define S5 3

int vote1=0;

int vote2=0;

int vote3=0;

int vote4=0;

void setup()

{
    pinMode(S1, INPUT);
    pinMode(S2, INPUT);
    pinMode(S3, INPUT);
    pinMode(S4, INPUT);
    pinMode(S5, INPUT);
    lcd.begin(16, 2);
    lcd.print(" Electronic ");
    lcd.setCursor(0,1);
    lcd.print(" Voting Machine ");
    delay(4000);
    digitalWrite(S1, HIGH);
    digitalWrite(S2, HIGH);
    digitalWrite(S3, HIGH);
    digitalWrite(S4, HIGH);
    digitalWrite(S5, HIGH);
    lcd.clear();
}
```

```

        lcd.setCursor(1,0);
        lcd.print("A");
        lcd.setCursor(5,0);
        lcd.print("B");
        lcd.setCursor(9,0);
        lcd.print("C");
        lcd.setCursor(13,0);
        lcd.print("D");
    }

    void loop()
    {
        lcd.setCursor(1,0);
        lcd.print("A");
        lcd.setCursor(1,1);
        lcd.print(vote1);
        lcd.setCursor(5,0);
        lcd.print("B");
        lcd.setCursor(5,1);
        lcd.print(vote2);
        lcd.setCursor(9,0);
        lcd.print("C");
        lcd.setCursor(9,1);
        lcd.print(vote3);
        lcd.setCursor(13,0);
        lcd.print("D");
        lcd.setCursor(13,1);
        lcd.print(vote4);
        if(digitalRead(S1)==0)
            vote1++;
        while(digitalRead(S1)==0);
        if(digitalRead(S2)==0)
            vote2++;
        while(digitalRead(S2)==0);
        if(digitalRead(S3)==0)
            vote3++;
        while(digitalRead(S3)==0);
        if(digitalRead(S4)==0)
            vote4++;
        while(digitalRead(S4)==0);
        if(digitalRead(S5)==0)
        {
            int vote=vote1+vote2+vote3+vote4;
            if(vote)

```

```

{
    if((vote1 > vote2 && vote1 > vote3 && vote1 > vote4))
    {
        lcd.clear();
        lcd.print("A is Winner");
        delay(3000);
        lcd.clear();
    }
else if((vote2 > vote1 && vote2 > vote3 && vote2 > vote4))
{
    lcd.clear();
    lcd.print("B is Winner");
    delay(3000);
    lcd.clear();
}
else if((vote3 > vote1 && vote3 > vote2 && vote3 > vote4))

{
    lcd.clear();
    lcd.print("C is Winner");
    delay(3000);
    lcd.clear();
}

else if(vote4 > vote1 && vote4 > vote2 && vote4 > vote3)

{
    lcd.setCursor(0,0);
    lcd.clear();
    {
        lcd.clear();
        lcd.print("A is Winner");
        delay(3000);
        lcd.clear();
    }
else if((vote2 > vote1 && vote2 > vote3 && vote2 > vote4))

{
    lcd.clear();
    lcd.print("B is Winner");
    delay(3000);
    lcd.clear();
}

else if((vote3 > vote1 && vote3 > vote2 && vote3 > vote4))

```

```

    {
        lcd.clear();
        lcd.print("C is Winner");
        delay(3000);
        lcd.clear();
    }

else if(vote4 > vote1 && vote4 > vote2 && vote4 > vote3)

{
    lcd.setCursor(0,0);
    lcd.clear();

    {
        lcd.clear();
        lcd.print("No Voting....");
        delay(3000);
        lcd.clear();
    }
    vote1=0;vote2=0;vote3=0;vote4=0,vote=0;
    lcd.clear();
}

}

```