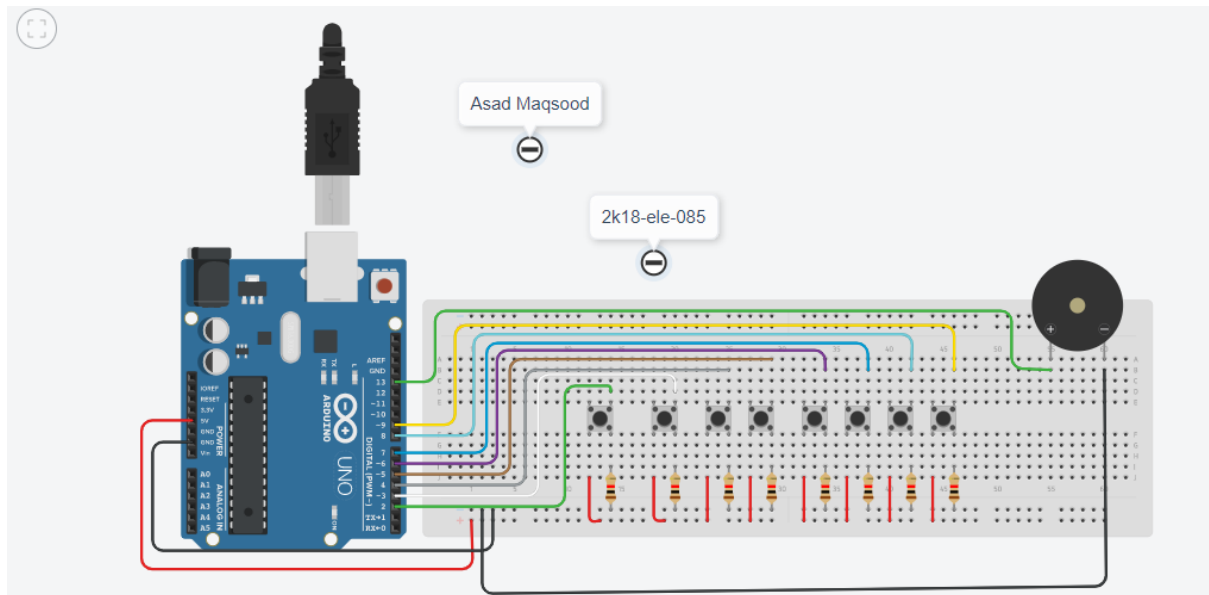## CIRCUIT :

CODE :

```
int but1 = 2;

int but2 = 3;

int but3 = 4;

int but4 = 5;

int but5 = 6;

int but6 = 7;

int but7 = 8;

int but8 = 9;


int buzzer = 13;


void setup()
{
```

```arduino
  //let's declare the button pins as input
  pinMode(but1,INPUT);
  pinMode(but2,INPUT);
  pinMode(but3,INPUT);
  pinMode(but4,INPUT);
  pinMode(but5,INPUT);
  pinMode(but6,INPUT);
  pinMode(but7,INPUT);
  pinMode(but8,INPUT);
  //declare buzzer pin as output
  pinMode(buzzer,OUTPUT);

}

void loop()
{
  // read the value from buttons
  int b1 = digitalRead(but1);
  int b2 = digitalRead(but2);
  int b3 = digitalRead(but3);
  int b4 = digitalRead(but4);
  int b5 = digitalRead(but5);
  int b6 = digitalRead(but6);
  int b7 = digitalRead(but7);
  int b8 = digitalRead(but8);

  if( b1 == 1 ){
    tone(buzzer,100,100);
  }
   if( b2 == 1 ){
    tone(buzzer,400,100);
  }
```

```
  if( b3 == 1 ){
   tone(buzzer,500,100);
 }
  if( b4 == 1 ){
   tone(buzzer,600,100);
 }
  if( b5 == 1 ){
   tone(buzzer,700,100);
 }
  if( b6 == 1 ){
   tone(buzzer,800,100);
 }
  if( b7 == 1 ){
   tone(buzzer,900,100);
 }
  if( b8 == 1 ){
   tone(buzzer,1000,100);
 }

// now let's put a short delay for a nice pitch
  delay(10);


}
```