ASSIGNMENT

CODE:

```
#define R 10
#define G 8
#define B 9
int sensor=6;
int val=0;
void setup()
{
  pinMode(6,INPUT);
  pinMode(R, OUTPUT);
  pinMode(G, OUTPUT);
  pinMode(B, OUTPUT);
  pinMode(11,OUTPUT);
  Serial.begin(9600);
}
void loop()
{
  val=digitalRead(sensor);
  if(val==HIGH)
  {
   analogWrite(R, random(255));
   analogWrite(G, random(255));
   analogWrite(B, random(255));
   tone(11,50);
   delay(200);
  }
  else
  {
   noTone(11);
   delay(1000);
```

```
  }

}
```