**Assignment -2**

1. **3 A flows through a 240 V lamp. What is the resistance of the lamp?**

R=240/3 =80 ohms

1. **How to check the resistance of a resistor using colour coding ?**

#### **4 Band resisto**r colour code has 2 digits, 1 multiplier and 1 tolerance

formula to compute the resistance of 4 band resistor is R = multiplier \* [( digit 1\*10 ) +digit 2 ] ± tolerance

**5 Band resistor** has 3 digits 1 multiplier and 1 tolerance at the end

formula to find the resistance of 5 band system is R = multiplier \* [( digit 1\*100) + (digit 2\*10) +digit 3] ± tolerance

1. **Mention any 5 virtual environments which we can use for Arduino Simulation**

Tinkercad,wowki,makerpro,

### **What is sketch in Arduino?**

A sketch is a program written for an Arduino board which is uploaded in it and run on an Arduino board.

### **What are the three important parts of Arduino?**

Arduino programming language can be divided into 3 main parts:

1. Functions,
2. values (variables and constants), and
3. structure.