***E1910033***

***Experiment No. 3***

**Problem statement:** Write a program to implement a “Push to ON” indicator using the Buzzer connected to Pin 3 of Port and the boot switch connected to Input Pin 7. Buzzer should turn ON for 200 milliseconds and turn OFF for the same duration as long as the boot switch is pressed and turn OFF as soon as it is released.

**Software Tools:** Tinkercad Online Simulator

**Block Schematic:**



**Program:**

int buzzer = 3;

int switchpin = 7;

void setup()

{

pinMode(buzzer, OUTPUT);

pinMode(switchpin, INPUT\_PULLUP);

}

void loop()

{

if(digitalRead(switchpin) == LOW)

{

digitalWrite(buzzer, HIGH);

delay(200);

digitalWrite(buzzer, LOW);

delay(200);

}

else

{

digitalWrite(buzzer, LOW);

}

}

**Result:**

**Conclusion:**