

Assignment -1
Tinkercad

Assignment Date	19 September 2022
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Maximum Marks	2 Marks

Question-1:

Build a smart home in tinkercad Use atleast 2 sensors, led, buzzer in a circuit. Simulate in a single code.

Solution:

```
int pinSensor =2;

int pinLed =12;

int pinBuzzer =13;

int prinSensor =0;


void setup()
{
  pinMode (pinSensor, INPUT);
  pinMode (pinLed, OUTPUT);
  pinMode (pinBuzzer, OUTPUT);
}

void loop()
{
  pinSensor = digitalRead(pinSensor);if
  (pinSensor == HIGH)
```

```

{
  digitalWrite(pin
  Led, HIGH);
  tone(pinBuzzer,
  1000, 500);
}

else {

  digitalWrite(pinLed, LOW);
}

delay(10);
}

```

