

Assignment -1
Python Programming

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| Assignment Date | 15 September 2022 |
| Student Name | Ms. NISHA P |
| Student Roll Number | 621319106062 |
| Maximum Marks | 2 Marks |

Question-1:

HOME AUTOMATION USING TINKERCAD

Solution:

```
int t=2;
int e= 3;
void setup()
{
  Serial.begin(9600);
  pinMode(t,OUTPUT);
  pinMode(e,INPUT);
  pinMode(10,OUTPUT);
}
void loop()
{
  for(int i=0;i=30000;i=i+10);
  tone(12,20,1000);
  delay(1000);
  digitalWrite(t,LOW);
  digitalWrite(t,HIGH);
  delayMicroseconds(10);
  digitalWrite(t,LOW);
  float dur= pulseIn(e,HIGH);
  float dis=(dur*0.0343)/2;
  Serial.print("Distance:");
  Serial.print(dis);
  Serial.println("cm");
}
```

