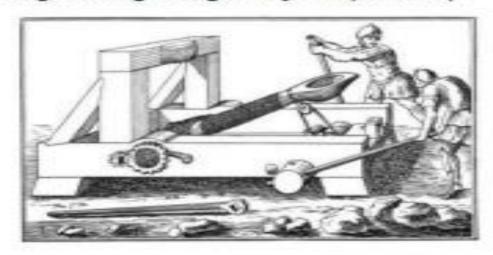






Handout/Assignmentfor Engineering Design Project-I (UTA013)



Name: Hardik Verma

Roll No: 102283044

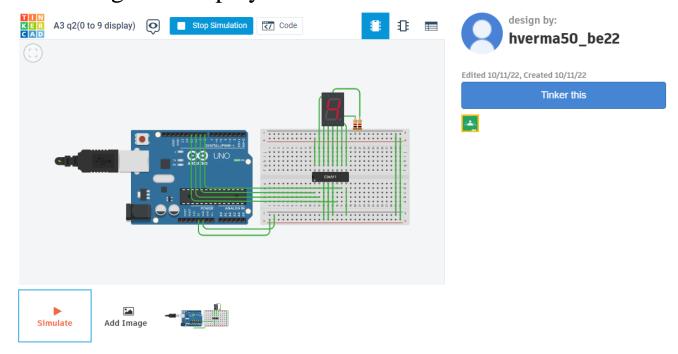
Group: 2CO28

Lab Group: 2



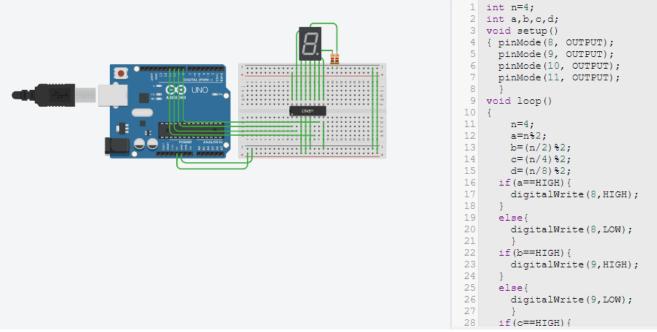
Assignment Tasks:

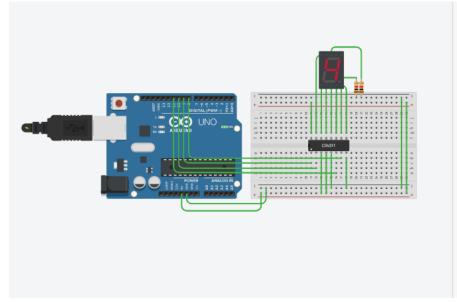
1. Use Tinkercad to redesign Exercise 2 and display the last digit of your Roll Number on the 7-segment display.





CODE:

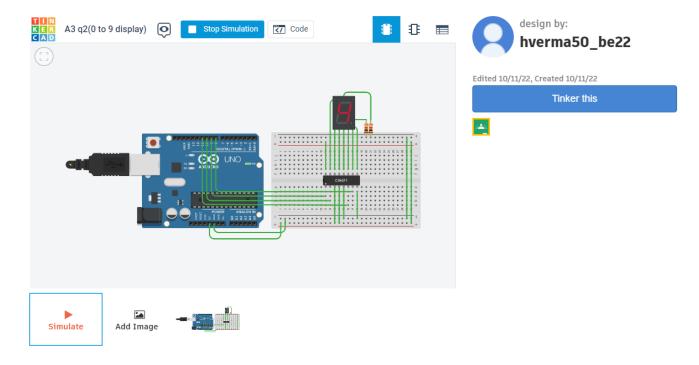




```
c=(n/4)%2;
d=(n/8)%2;
15
16
      if(a==HIGH){
        digitalWrite(8, HIGH);
18
19
20
21
22
        digitalWrite(8,LOW);
      if(b==HIGH){
        digitalWrite(9, HIGH);
23
24
25
26
27
28
29
        digitalWrite(9,LOW);
      if(c==HIGH){
        digitalWrite(10, HIGH);
30
31
32
33
34
35
        digitalWrite(10,LOW);
      if(d==HIGH){
        digitalWrite(11, HIGH);
36
37
38
        digitalWrite(11,LOW);
39
40
        delay(1000);
41 }
```



2. Using Tinkercad, write an Arduino sketch to make an up counter which counts from 0 to 9 & repeat it infinitely using Tinkercad.





CODE:

