Date	19 November 2022
Team ID	PNT2022TMID40129
Project Name	Project - Personal Assistance for Seniors who are Self Reliant.

Source Code for simulation:

```
#include <LiquidCrystal.h>


#define D4 5

#define D5 4

#define D6 3

#define D7 2

#define E 11

#define RS 12


int buzz= 13;


LiquidCrystal LCD(12, 11, 5, 4, 3, 2);


void setup()
{
  pinMode(buzz, OUTPUT);
  // set up the LCD's number of columns and rows:
  LCD.begin(16, 2);
```

```
}

void loop()
{
  LCD.setCursor(4, 0);
  LCD.print("Medicinetime");
  LCD.setCursor(2, 1);
  LCD.print("Paracetamol");
  digitalWrite(buzz, HIGH);
  delay(2000);
  digitalWrite(buzz, LOW);
  LCD.clear();
  delay(5000);
  LCD.setCursor(4,0);
  LCD.print("Medicinetime");
  LCD.setCursor(2, 1);
  LCD.print("Acelock");
  digitalWrite(buzz, HIGH);
  delay(2000);
  digitalWrite(buzz, LOW);
  LCD.clear();
  delay(5000);
  LCD.setCursor(4, 0);
  LCD.print("Medicinetime");
  LCD.setCursor(2, 1);
```

```
    LCD.print("Sinarest");

    digitalWrite(buzz, HIGH);

    delay(2000);

    digitalWrite(buzz, LOW);

    LCD.clear();

    delay(8000);

  }
```
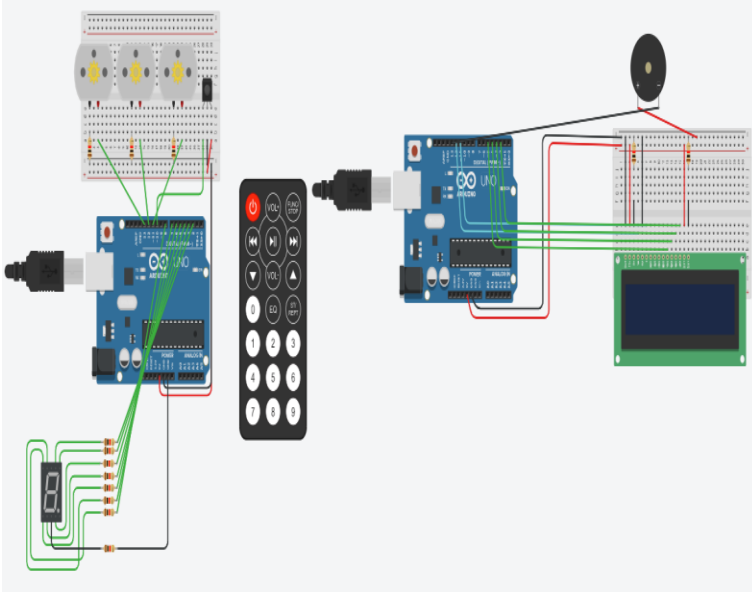
Circuit diagram with code:
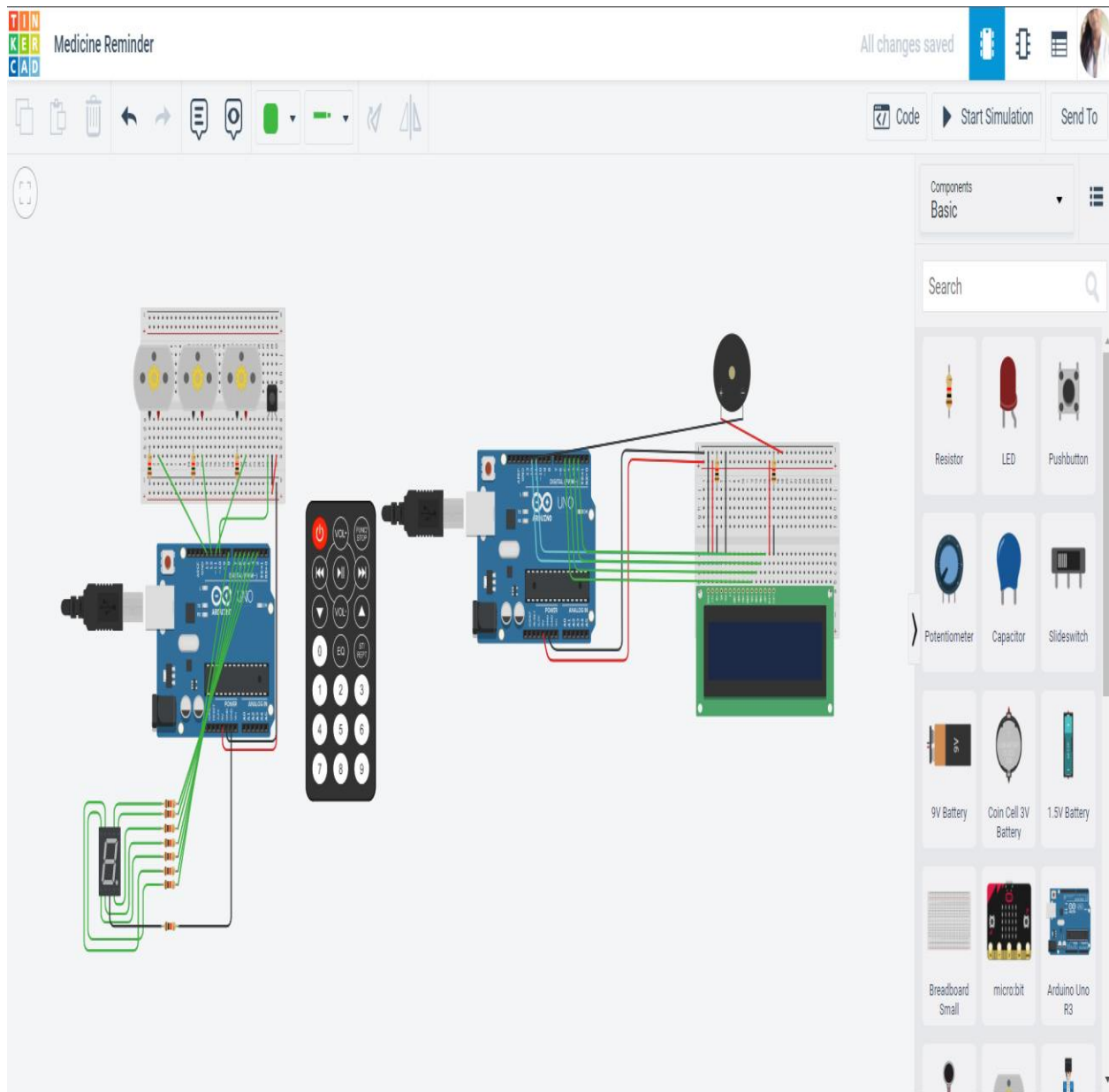
```
1  #include <LiquidCrystal.h>
2
3  #define D4 5
4  #define D5 4
5  #define D6 3
6  #define D7 2
7  #define E 11
8  #define RS 12
9
10 int buzz= 13;
11
12 LiquidCrystal LCD(12, 11, 5, 4, 3, 2);
13
14 void setup()
15 {
16   pinMode(buzz, OUTPUT);
17   // set up the LCD's number of columns and rows:
18   LCD.begin(16, 2);
19 }
20
21 void loop()
22 {
23   LCD.setCursor(4, 0);
24   LCD.print("Medicinetime");
25   LCD.setCursor(2, 1);
26   LCD.print("Paracetamol");
27   digitalWrite(buzz, HIGH);
```

Serial Monitor

Circuit Diagram:

Simulation in tinkercad: