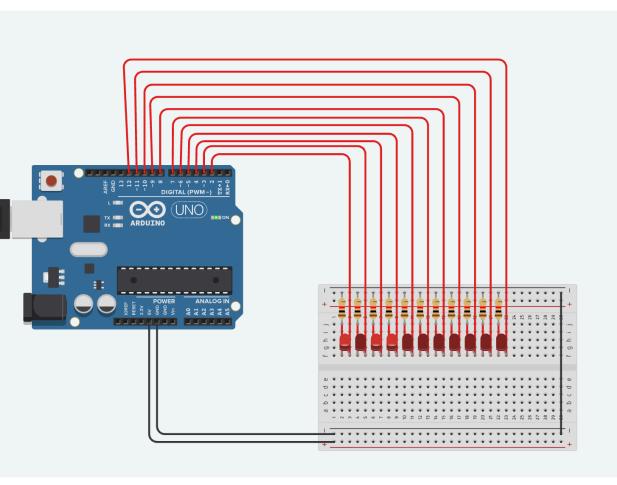


```
void turnON(int bin){
                                                                    int i = 10;
                                                     led10 =
         C++ code
                                           II
                                                         led11
                                          led7
                                                 led9
                                              led8
                           led3
                                   led5
                                      led6
                        led2
                               led4
                        int
                    int
                           int
                               int
                                   int
                                      int
                                          int
                                              int
                                                 int
                                                     int
                                                         int
Text
```

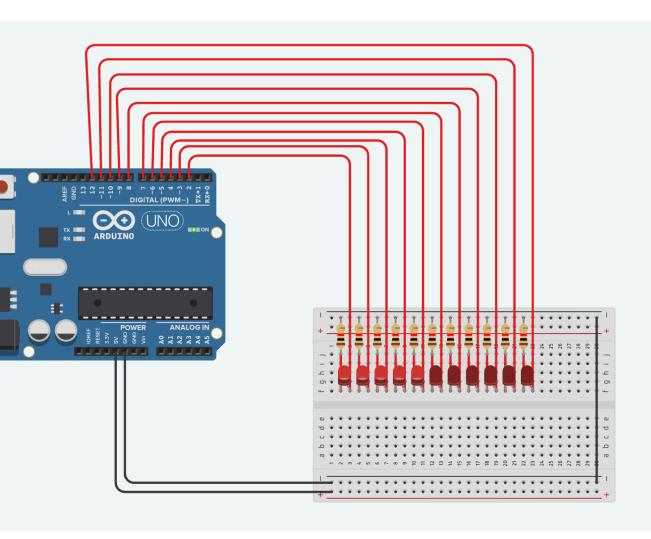
int arr[11] = {led1,led2,led3,led4,led5,led6,led7,led8,led9,led10,led11}; sizeof(arr)/sizeof(arr[0]); for(int j = 0; j < size\_arr; j++){</pre> digitalWrite(arr[j], HIGH); digitalWrite(arr[j], LOW); Serial.println("OFF"); Serial.println("On"); else if (bin%i == 0)if(bin%i == 1){ int size\_arr = if(bin > 0){ 24 26 27 29

```
ij
                                                                        binaryNumber += remainder
                                                                                                                                                                                                                                                                                              int him - de huldonimolli
                                                                                                                                                                                                                                                pinMode(led11, OUTPUT);
                                                                                                                                                                                                                                        OUTPUT)
                                                                                                            return binaryNumber;
                    II
                                                                                                                                                                                                                      OUTPUT);
                                                                                                                                                         OUTPUT);
                                                                                                                                                                 OUTPUT);
                                                                                                                                                                          OUTPUT)
                                                                                                                                                                                  OUTPUT)
                                                                                                                                                                                            OUTPUT)
                                                                                                                                                                                                    OUTPUT);
                                                                                                                                                                                                              OUTPUT);
                                                                                                                                                                                                                               OUTPUT);
                                                       0/0
                 long binaryNumber
                                                        ᄪ
                                                                                                                                                                                                                                                          Serial.begin(9600)
                           int remainder,
                                             while (n != 0)
                                                      remainder
         dc_bn(int n){
                                                                                                                                                                                                                                        pinMode(led10,
                                                                               *= 10;
                                                                                                                                                                                                                                                                             II
                                                                                                                                                                                                                               pinMode(led9,
                                                                                                                                                        pinMode(led1,
                                                                                                                                                                                                              pinMode(led7,
                                                                                                                                                                                                                      pinMode(led8,
                                                               n /= 2;
                                                                                                                                                                 pinMode(led2,
                                                                                                                                                                          pinMode(led3,
                                                                                                                                                                                  pinMode(led4,
                                                                                                                                                                                            pinMode(led5,
                                                                                                                                                                                                    pinMode(led6,
                                                                                                                                                                                                                                                                            int decimal
                                                                                                                                      void setup()
          int
                                                                                                 466
447
448
449
551
552
553
554
554
557
559
560
335
337
337
338
337
447
443
455
                                                                                                                                                                                                                                                62
                                                                                                                                                                                                                                      61
```

```
67
     int bin = dc_bn(decimal);
     Serial.println(bin);
68
     turnON(bin);
69
70
71
   }
72
73
   void loop()
74
   {
75
76
77 }
```



```
1 (Arduino Uno R3)
 45
 46
                                       How the debugger works
         return binaryNumber;
 47
 48 }
 49
                                       1. Add breakpoints by clicking on the
    void setup()
 50
                                         line numbers.
 51 {
                                       2. Hover over the variables while paused
 52
       pinMode(led1, OUTPUT);
                                          to see their value.
       pinMode(led2, OUTPUT);
 53
                                       3. Use the buttons above to resume
 54
       pinMode(led3, OUTPUT);
 55
       pinMode(led4, OUTPUT);
                                         simulation or step one line at a time.
 56
       pinMode(led5, OUTPUT);
 57
       pinMode(led6, OUTPUT);
       pinMode(led7, OUTPUT);
 58
 59
       pinMode(led8, OUTPUT);
       pinMode(led9, OUTPUT);
 61
       pinMode(led10, OUTPUT);
 62
       pinMode(led11, OUTPUT);
       Serial.begin(9600);
 63
 64
       int decimal = 13;
 65
 66
       int bin = dc bn(decimal):
    Serial Monitor
un
1101
0n
0FF
0n
0n
```



```
pinMode(led5, OUTPUT);
 58
       pinMode(led6, OUTPUT);
 59
       pinMode(led7, OUTPUT);
 60
       pinMode(led8, OUTPUT);
 61
       pinMode(led9, OUTPUT);
 62
       pinMode(led10, OUTPUT);
 63
       pinMode(led11, OUTPUT);
 64
       Serial.begin(9600);
 65
 66
       int decimal = 31;
 67
       int bin = dc_bn(decimal);
 68
 69
       Serial.println(bin);
 70
 71
       turnON(bin);
72
73 }
74
 75
 76
    void loop()
77 {
 78
 79
Serial Monitor
11111
0n
0n
```

On On On