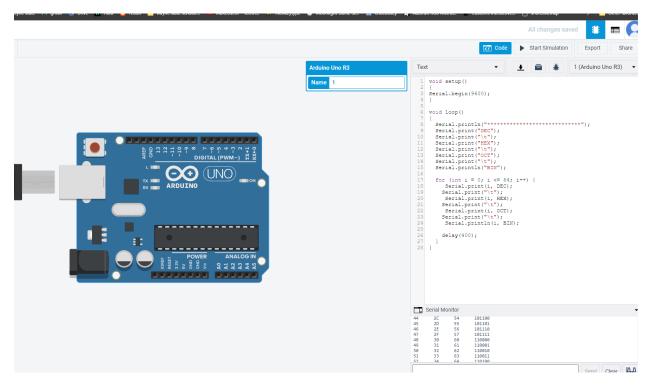
Exercise 1 Rory Lange

Be 1200 Assignment 12	
D D A 9A	
6) 50 13 +010111010001011	
$\frac{2^{2}x^{1}+2^{1}x0+2^{0}x^{1}}{2^{2}x^{1}+2^{2}x0+2^{1}x^{1}+2^{0}x^{1}}$	
24x0+23x1+22x1+2x0+2x1	
1213	
1000 25 x1 + 22 x1 + 21 x0 + 28 x1	
23x1+22x1+2'x0+2°x0	
1/0001100110100110	
d) fabe 6442 - 0010 0110 0100 0100	
11. 11. 1101. 1011 1110	
[111111011011110011001000000010]	
(1) a) 1100 (b) 00 11 1100 (c) 1010 0110 110	i i i
13C) 7AGD	
	53

Exercise 4

Exercise 6



Exercise 7

```
void setup() {
                                                                                                                                    pinMode (12, OUTPUT);
  Serial.begin(9600);
                                                                                                                                    BIN = 101001
void loop() {
  if (Serial.available() > 0) {
                                                                                                                                   HEX = 2A
OCT = 52
BIN = 101010
     int command = Serial.read();
if (command == '1') {
        digitalWrite(12, HIGH);
                                                                                                                                   DEC = 43
HEX = 2B
OCT = 53
      if (command == '2') {
        digitalWrite(12, LOW);
                                                                                                                                    BIN = 101011
     if (command == '3') {
        digitalWrite(5, HIGH);
                                                                                                                                    HEX = 2C
     if (command == '4') {
  digitalWrite(5, LOW);
                                                                                                                                   BIN = 101100
                                                                                                                                                                                                                    Newline 

9600 baud 

Clear output
                                                                                                                                    ✓ Autoscroll Show timestamp
     else {
         if (command == '5') {
           f. (command == '5') {
  for (int Val = 0; Val < 50; Val++) {
    Serial.print("DEC = ");
    Serial.print("HA, DEC);
    Serial.print("HEX = ");
    Serial.print("HEX);
}</pre>
               Serial.print("OCT = ");
Serial.print("OCT);
Serial.print(Val, OCT);
Serial.print("BIN = ");
Serial.print("BIN = BIN);
```

