## Rory Lange midterm

Question 3B

```
1 void setup()
2 {
3 for (int i = 8; i <= 13; i++) {</pre>
4
      pinMode(i, OUTPUT);
 5
 6 }
7
8 void loop()
9 {
   for (int i = 8; i<=13; i++) {
10
11
      if (i % 2 == 0) {
12
        digitalWrite(i , HIGH);
13
        digitalWrite(i+1, HIGH);
        delay(1000);
14
15
        digitalWrite(i, LOW);
16
        digitalWrite(i+1, LOW);
17
        delay(1000);
    }
18
19 }
20 delay(10);
21 }
```

Question 4

```
1
   int led = 2;
3
  void setup()
4
   {
5
     pinMode(led, OUTPUT);
6
7
8 void loop()
9
LO
     //write 5050
11
     //....
     for (int i = 0; i < 2; i ++) {
L2
L3
       //....
14
       for (int i = 0; i < 5; i++) {
L5
         digitalWrite(led, HIGH);
16
         delay(150);
L7
         digitalWrite(led, LOW);
18
         delay(100);
L9
       //----
20
21
       for (int i = 0; i < 5; i++) {
22
         digitalWrite(led, HIGH);
23
         delay(400);
24
         digitalWrite(led, LOW);
25
         delay(100);
26
27
     }
     delay(5000);
28
29 }
```

Question 5

```
T (Aladillo ollo 10)
 1 void setup()
 2 {
 3 Serial.begin(9600);
 4 Serial.println("Name: Rory Lange");
 5 Serial.println("BE 1200 Section 002");
 6 Serial.println("Bachelor's of Science Computer Science");
 7 }
 8
 9 void loop()
10 {}
" Serial Monitor
Name: Rory Lange
BE 1200 Section 002
Bachelor's of Science Computer Science
```

Question 6

```
Text
   int Array[] = {2, 3, 4, 5, 6, 7, 8, 9};
3 void setup() {
 4
    for (int count=0; count<=8; count++) {
 5
       pinMode (Array[count], OUTPUT);
6
7
8
9 void loop() {
10
    for (int count=0; count>8; count++) {
11
       digitalWrite(Array[count], HIGH);
12
       delay(1000);
13
       digitalWrite(Array[count], LOW);
14
       delay(1000);
15
16
    for (int count=9; count<=10; count--) {
17
       digitalWrite(Array[count], HIGH);
18
       delay(1000);
19
       digitalWrite(Array[count], LOW);
20
       delay(1000);
21
22
```

Question 7 on piece of paper