

Arduino Pulse Width Modulation

with Rae Hoyt

Sample Code:

```
const int LED9 = 9;
const int LED7 = 7;

int V = ____;
int A = ____;
int B = ____;

void setup() {
  // initialize pins as output
  pinMode(LED9, OUTPUT);
  pinMode(LED7, OUTPUT);
}

void loop() {
  analogWrite(LED9, V);
  digitalWrite(LED7, HIGH);
  delay(A);
  digitalWrite(LED7, LOW);
  delay(B);
}
```

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|------------|-------------------|--------------|--------------|
| 1. V = 26 | Duty Cycle: ____% | int A = ____ | int B = ____ |
| 2. V = 64 | Duty Cycle: ____% | int A = ____ | int B = ____ |
| 3. V = 80 | Duty Cycle: ____% | int A = ____ | int B = ____ |
| 4. V = 95 | Duty Cycle: ____% | int A = ____ | int B = ____ |
| 5. V = 155 | Duty Cycle: ____% | int A = ____ | int B = ____ |
| 6. V = 180 | Duty Cycle: ____% | int A = ____ | int B = ____ |
| 7. V = 205 | Duty Cycle: ____% | int A = ____ | int B = ____ |
| 8. V = 231 | Duty Cycle: ____% | int A = ____ | int B = ____ |