

Q1 :

```
int flameSensorPin = A0;
void setup() {
    Serial.begin(9600);
}
void loop() {
    int sensorValue = analogRead(flameSensorPin);
    Serial.print("Flame Sensor Value: ");
    Serial.println(sensorValue);
    delay(500);
}
```

Q2 :

```
#include <Servo.h>
Servo myservo;
int pos = 0;
void setup() {
    myservo.attach(9);
}
void loop() {
    for (pos = 0; pos <= 180; pos += 1) {
        // in steps of 1 degree
        myservo.write(pos);
        delay(15);
    }
    for (pos = 180; pos >= 0; pos -= 1) {
        myservo.write(pos);
        delay(15);
    }
}
```

Q3 :

```
#include <Servo.h>
Servo myServo;
void setup() {
    myServo.attach(9);
}
void loop() {
    myServo.write(0);
    delay(1000);
    myServo.write(90);
    delay(1000);
    myServo.write(180);
    delay(1000);
}
```