Example questions

Sunday, 29 June 2025 7:47 am

1. Which has a reading of scale from 0 to 255.

a. analogRead()
b. digitalWrite()
c. digitalRead()
d. analogWrite()

If you make the microcontroller Ask a message, you will use the function while(Serial.available()==0){}.

A. True
B. False

In a 4-LED Binary Counter, how many LEDs are turned on given its decimal counterpart is 9.

a. 3
b. 4
c. 0
d. 2
e. 1

What is the decimal form of the total of these binary numbers?

```
  101111
+ 110110
```

A. 96
B. 90
C. 1149
D. 79107
E. 101

F. What will print in the serial monitor at initial

run of this program?

```
#include <Servo.h>
const int sPin = 13;
float servoPos=0.;
Servo sv;
```

```
int t=500;

void setup() {
// put your setup code here, to run once:
      pinMode(sPin, OUTPUT);
  • sv.attach(sPin);
    Serial.begin(9600);
    }

    void loop() {
      // put your main code here, to run repeatedly:
      Serial.println("What Angle for the Servo?");
      while(Serial.available()==0)
      {

    }
      servoPos = Serial.parseFloat();
      Serial.print("Angle: ");
      Serial.println(servoPos);
      Serial.println();
     sv.write(servoPos);
    }
```

a. Nothing will print.
b. Angle: 0
c. ';' before '}' token
   Serial.begin(9600)
d. Syntax Error
e. What Angle for the Servo?

1. 14 is at 8-bit word size.
   If it would be put in an 8-LED Binary Counter, how many LEDs
   are turned on?

a. 2
b. 4
c. 3
d. 8
e. 5