

Finish



59:37

Time Left:

Which is the software or a programming language used for controlling of Arduino?

- A. Assembly Language
- B. C Languages
- C. JAVA
- D. Any Language

Finish



Time Left:

58:26

Which of the following is NOT a security measure?

- A. Encryption
- B. Password
- C. Firewall
- D. Firmware

Finish



Show Question



Time Left:

59:36

Which protocol is lightweight?

- A. MQTT
- B. HTTP
- C. CoAP
- D. SPI

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

Finish



Show Question

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Time Left:

59:40

What protocol is good for communication of IoT devices with restricted power and low data rates over a range of a few kilometres?

- A. Bluetooth
- B. Zigbee
- C. LoRaWAN
- D. 4G
- E. WiFi

Finish



8 :
10 : Time Left: **58:54**

What are two main types of Arduino pins?

- A. Digital and analog.
- B. Digital and modulation.
- C. Pulse and analog.

Finish



Time Left:

58:35

With Arduino, what symbol do you place at the end of each line of code?

- A. (
- B. {
- C. ;
- D. //

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Time Left:

58:52

_____ is particularly appealing when the human's hands or eye are otherwise occupied.

- A. Voice recognition
- B. Sound recognition
- C. Amplitude recognition
- D. Frequency recognition

exam

Finish



Vol 8 :

Size: 10 Time Left:

59:23

Is it useful completing a business plan for a personal or in-house IoT product?

- A. Yes
- B. No

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exam

Finish



Vol. 8

Size: 10 Time Left:

59:01

Version 6 of IP address has how many bits.

- A. 64 bits
- B. 128 bits
- C. 32 bits
- D. 256 bits

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Finish



Time Left:

58:37

Which sensor is LM35?

- A. Pressure sensor
- B. Humidity sensor
- C. Temperature sensor
- D. Touch sensor

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exam

Finish



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10 Time Left:

59:04

_____ will reduce the cost of the devices.

- A. Intuitive
- B. Voice telephony
- C. Voice recognition
- D. Voice Integration

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Finish



Time Left:

58:24

Data sharing is a _____ topic in today's society?

- A. Prominent
- B. Hindering
- C. Daunting
- D. Intriguing

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Finish



Time Left:

58:27

What is the maximum output current for the digital pin in Arduino Uno?

- A. 20 mA
- B. 40 mA
- C. 80 mA
- D. 100 mA

Finish



58:41

Time Left:

Arduino shields are also called as _____

- A. Extra peripherals
- B. Add on modules
- C. Connectivity modules
- D. Another Arduinos

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Finish



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Time Left:

59:09

Which bluetooth version enables low energy?

- A. Bluetooth 3.0
- B. Bluetooth 4.0
- C. Bluetooth 2.0
- D. Bluetooth 1.0

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Finish



Time Left:

58:21

The base of a number system is _____

- A. always the same as the highest digit used in the system.
- B. equal to the number of different digits used in the system.
- C. one less than the highest single digit number in the system.

Finish



Show Question

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Time Left:

59:11

The combination of a transducer with its signal conditioner is called a _____?

- A. Instrumentation Amplifier
- B. Sensor
- C. Thermistor
- D. ADC

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Finish



58:50

Time Left

The number of bits transmitted or received per second is defined as _____

- A. transmission rate
- B. reception rate
- C. transceiver rate
- D. baud rate

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

exam.

Finish



Vol 8

Size 10 Time Left:

59:15

Code that performs a defined task and then returned to the area of code from which the function w

- A. random()
- B. Function
- C. delay()
- D. for loop

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Finish



Show Question

Time Left:

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58:31

How many pair(s) of Rx/Tx pins are present in Arduino Uno for UART communication?

- A. 3
- B. 2
- C. 1
- D. 0

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

exam

Finish



Vol: 8

Size: 10 Time Left:

58:58

The combination of conditioning plus the element being controlled by the computer is called a _____

- A. DAC
- B. Instrumentation amplifier
- C. Motor
- D. Actuator

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59:17

How does fog computing reduce security risks?

- A. It acts on IoT data closer to the source
- B. It creates unclear connections that are difficult to intercept
- C. It reduces the need for remote management
- D. It scrambles electronic signals and encrypts all data

Finish



Show Question



Time Left:

58:30

To activate serial monitor, what setup code is to be written?

- A. serialBegin(9600);
- B. Serialbegin(9600);
- C. Serial.begin(9600);
- D. Serial.Begin(9600);

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

am.

Finish



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Time Left:

59:22

Bluetooth will drain battery life.

A. True

B. False

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31



59:19

A sensor is _____

- A. something that detects a change
- B. something creates a change
- C. something that humans have

Finish



Show Question

0 Time Left

59:34

There is efficiency gains from _____ all sorts of equipment.

- A. Implementation
- B. Analogous
- C. Evolution
- D. Digitization

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exam.

Finish



Vol 8

Size: 10 Time Left:

59:16

What is the format of IP address?

- A. 34 bit
- B. 64 bit
- C. 16 bit
- D. 32 bit

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Finish



59:28

Time Left:

If you need to increase the current through a resistor in a circuit, what would you do?

- A. Decrease the voltage applied to the resistor.
- B. Increase the voltage applied to the resistor.
- C. Increase the room temperature.
- D. Increase the value of the resistor.
- E. All of the other.

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32



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ze: 10 Time Left:

59:13

Which of these colours is NOT used in the resistor value colour code?

- A. black
- B. turquoise
- C. white
- D. violet



59:25

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ze: 10 Time Left:

For a servo motor to run, the three pins required of the Arduino Uno are.

- A. Vcc, GND, PWM
- B. Vcc, GND, Analog
- C. Vcc, PWM, Digital
- D. Vcc, GND, Digital

Finish



Time Left:

58:23

These are the advantages of using sensor, except:

- A. More accurate than human
- B. No need for human to operate the sensor
- C. Can monitor information constantly
- D. Faulty sensors can give incorrect result

Finish



58:33

Time Left:

What does design provides?

- A. Technology
- B. Ecosystem
- C. Technology and ecosystem
- D. Digital revolution

Finish



9

10 Time Left:

59:06

The `pinMode()` function configures a pin as either _____.

- A. High or Low
- B. Input or Output
- C. On or Off
- D. Inside or Outside

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Finish



Time Left:

58:29

The void loop() function does precisely what its name suggests, and loops _____

- A. One and Done
- B. Once and Twice
- C. Once and Never
- D. Over and Over

Finish



Show Question

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10 Time Left

58:46

NFC stands for _____

- A. Near Fast Communication
- B. Near Field Communication
- C. Near Field Customer
- D. Near Field Connection

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Finish



58:13

Time Left:

To vary the brightness of an LED, anode of the LED is to be connected at _____.

- A. any digital pin
- B. only PWM featured pin
- C. ground
- D. analog input pin

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Finish



8

10 Time Left

59:26

BAN gives _____

- A. Communication
- B. Storage
- C. Network connectivity
- D. Communication and storage

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Finish



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Time Left:

59:20

IoT is a paradigm that involves ubiquitous presence in the environment.

A. True

B. False

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Finish



58:42

Time Left:

What sort of actuator would you use to control the movement of a conveyor belt?

- A. A linear actuator
- B. An AC motor
- C. A thermocouple
- D. A water pump
- E. A rubber belt

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Finish



58:44

10 Time Left:

Which challenge comes when we use many devices on the same network?

- A. Signaling
- B. Security
- C. Presence detection
- D. Power consumption

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Finish



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10 Time Left

59:31

What is the resolution of the ADC present in the arduino Uno?

- A. 8-bit
- B. 10-bit
- C. 6-bit
- D. 16-bit

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Time Left:

58:14

Which digit is represented by a blue band on a resistor?

- A. 4
- B. 8
- C. 6
- D. 9

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58:56

8 :
e: 10 : Time Left

What is the clock speed of the Arduino Uno?

- A. 16 Hz
- B. 16 MHz
- C. 8 MHz
- D. 4 MHz

Finish



Time Left:

58:19

When current flows through a resistor, the power involved produces heat. What measures can be taken to reduce the generation of heat inside a computer?

- A. Reduce the voltage from the power supply.
- B. Use capacitors on the output of the power supply.
- C. Increase the physical size of resistors.
- D. All of the other.

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am.

Finish



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10 Time Left

59:32

A system must include _____.

- A. an input, an output and a process.
- B. something to do with a form of transport.
- C. a microprocessor.
- D. fuel, water and electricity.

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Finish



Time Left:

58:18

What IoT collects?

- A. Human generated data
- B. Sensor data
- C. Machine generated data
- D. Device data

1 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

Finish



58:48

Time Left:

MQTT is better than HTTP for sending and receiving data.

- A. True
- B. False

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Finish



Time Left:

58:39

_____ describe IoT architecture.

- A. Application, Decision Support Tools, Big Data Stores, Network and Telecommunication Equipment, Connected devices
- B. None of them
- C. Big Data, Monitors, Tele-communication, Remote control
- D. Application, Protocols, Electricity, Hardware, Connected devices

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Finish



Time Left:

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The action that will be performed using this switch case will be:
switch (2): {case 1: digitalWrite(11,HIGH); case 2: analogRead(A3)}

- A. D11 will become HIGH
- B. Analog value of A3 will be read
- C. D11 will become LOW
- D. None of the other

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**59:29**

What is Fog computing?

- A. It is a type of computing that enhances P2P applications.
- B. It is a type of computing that sends controller data to a sensor.
- C. It is a type of computing that disperses servers and services globally in distributed data centers.
- D. It is a type of computing where services are hosted where they are used, such as at the network with end devices.