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Courses » Introduction to Internet of Things

Announcements

Course

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Progress

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FAQ

Unit 6 - Week 5

Course outline

[How to access the portal](#)[Week 1](#)[Week 2](#)[Week 3](#)[Week 4](#)**Week 5**

☐ Lecture 21 : Interoperability in Internet of Things

☐ Lecture 22 : Introduction to Arduino- I

☐ Lecture 23 : Introduction to Arduino- II

☐ Lecture 24 : Integration of Sensors and Actuators with Arduino- I

☐ Lecture 25 : Integration of Sensors and Actuators with Arduino- II

☐ Week 5: Lecture

Week 5 : Assignment 5

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Due on 2018-09-12, 23:59 IST.

1) In what type of pin, data pin of DHT sensor should be connected?

1 point

- ☐ a. analog pin
- ☐ b. digital pin
- ☐ c. any one of (a) and (b)
- ☐ d. None of this

No, the answer is incorrect.

Score: 0

Accepted Answers:

b. digital pin

2) Why interoperability is required?

1 point

- ☐ a. Heterogeneous wireless communication protocols
- ☐ b. Different programming languages
- ☐ c. Different control models
- ☐ d. All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

d. All of the above

3) What type of Arduino pin is used to give command to Servo motor?

1 point

- ☐ a. Analog pin
- ☐ b. Digital pin

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Week 6	ce De	4) Arduino boards support output supply voltage of:	1 point
Week 7		<input type="radio"/> a. 5V only	
Week 8		<input type="radio"/> b. 3.3 V only	
Week 9		<input type="radio"/> c. 9 V only	
Week 10		<input type="radio"/> d. 5V, 3.3V	
Week 11		No, the answer is incorrect.	
Week 12		Score: 0	
Download Video		Accepted Answers:	
Assignment Solution		<i>d. 5V, 3.3V</i>	
		5) Arduino UNO supports these numbers of PWM pins:	1 point
		<input type="radio"/> a. 1	
		<input type="radio"/> b. 5	
	<input type="radio"/> c. 6		
	<input type="radio"/> d. 14		
	No, the answer is incorrect.		
	Score: 0		
	Accepted Answers:		
	<i>c. 6</i>		
	6) <pre>void Loop(){ Value = analogRead(LDR); if(Value>1000){ Serial.println(Value); } delay(100); }</pre>	1 point	
	<input type="radio"/> a. Prints the value from sensor to console every 1000 milliseconds		
	<input type="radio"/> b. Prints the value from the sensor to console every 100 milliseconds		
	<input type="radio"/> c. Prints the value from the sensor to console if it is more than 1000, every 100 milliseconds		
	<input type="radio"/> d. Prints the value from the sensor to console if it is delayed by 1000 seconds		
	No, the answer is incorrect.		
	Score: 0		
	Accepted Answers:		
	<i>c. Prints the value from the sensor to console if it is more than 1000, every 100 milliseconds</i>		
	7) What is the servo library command to move the shaft of Servo motor back and forth across 180 degree?	1 point	
	<input type="radio"/> a. Knob()		
	<input type="radio"/> b. Sweep()		
	<input type="radio"/> c. write()		
	<input type="radio"/> d. detach()		
	No, the answer is incorrect.		
	Score: 0		
	Accepted Answers:		
	<i>c. write()</i>		
	8) Arduino setup requires:	1 point	

- ☐ a. Arduino board and IDE
- ☐ b. Arduino board, programmer board, IDE
- ☐ c. Both A and B
- ☐ d. None

No, the answer is incorrect.

Score: 0

Accepted Answers:

a. *Arduino board and IDE*

9) Which of the following library functions can be used to generate a random number in Arduino? **1 point**

- ☐ a. randomize()
- ☐ b. ran()
- ☐ c. rand()
- ☐ d. random()

No, the answer is incorrect.

Score: 0

Accepted Answers:

d. *random()*

10) Which pin of Arduino should be connected with the pin 3 of the 4-pin DHT sensor? **1 point**

- ☐ a. Pin 5V
- ☐ b. Pin 3.3V
- ☐ c. Pin GND
- ☐ d. None of the these

No, the answer is incorrect.

Score: 0

Accepted Answers:

d. *None of the these*

Previous Page

End