

Final Quiz

Started: 26 Nov at 20:54

Quiz instructions

Description

This Quiz is composed of 27 questions regarding lectures and tutorials, you will have 45 minutes to complete the quiz.

The quiz is worth 10% of the overall marks for IoT Programming.

This assessment task contributes to your overall percentage for this unit.

Instructions

During the test:

- You must be attending your tutorial session.
- Strictly NO communication with other students.
- Strictly no help from any webpage.
- If you have a question, raise your hand

Question 15

0.5 pts

The following Arduino code uses a buzzer, and a button wired using a pull-down resistor. What is this code doing?

```
#define pin_buzzer 3
#define pin_button 2

int buttonState = 1;

void setup() {
  pinMode(pin_button, INPUT);
  pinMode(pin_buzzer, OUTPUT);
}

void loop() {
  buttonState = !digitalRead(pin_button);

  if (buttonState == HIGH) {
    analogWrite(pin_buzzer, 1024);
  }
  else {
    digitalWrite(pin_buzzer, LOW);
  }
}
```

- ☐ All the answers are incorrect.
- ☐ The buzzer will never make sound.
- ☐ The buzzer will make sound once the button is pressed, and it won't stop.
- ☐ The buzzer will make sound once the code is uploaded to the arduino board, and it won't stop.
- ☐ The buzzer will make sound only when the button is pressed.
- ☐ The buzzer will make sound once the code is uploaded to the arduino board, and it will stop once the button is pressed.
- ☐ The buzzer won't make any sound while the button is pressed.

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