

تم تحميل هذا الملف من موقع المناهج الإماراتية



الملف اختبار Checkpoint 2 مع الحل

[موقع المناهج](#) ← [المناهج الإماراتية](#) ← [الصف السابع](#) ← [تصميم](#) ← [الفصل الأول](#)

روابط مواقع التواصل الاجتماعي بحسب الصف السابع



روابط مواد الصف السابع على تلغرام

[الرياضيات](#)

[اللغة الانجليزية](#)

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المزيد من الملفات بحسب الصف السابع والمادة تصميم في الفصل الأول

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سؤال 1:

What is a compound conditional?

A method used to break down problems into subproblems and smaller parts

A decision statement in a program with a single condition

A loop within another loop

A decision statement in a program with multiple conditions



سؤال 2:

Which of these is a compound conditional?

✓ `if int_Height >=99 and int_Height <= 183:`

`if int_Height >=99:`

`for int_Height in range(10):`
`if int_Height >=99:`

`for int_Height in range(20):`
`for int_Size in range(3):`

What do you use a software library for?

To allow you to borrow books

✓ To allow you to use existing code within your program

To allow you to buy and sell your software

To allow you to convert software to another language



سؤال 4:

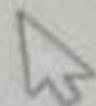
Which of these libraries do you use to create and manage multi-dimensional arrays?

Turtle

Random

Python standard library

✓ Numpy



Why is feedback from other people important when you create software?

.Feedback connects your software to programming libraries

✓.Feedback helps you know what is good or bad about your program

.Feedback automatically fixes the errors in your code

.Feedback tells users how to use your software program in the right way

سؤال 6:

Which component can you connect to a microcontroller to receive data?

Servomotor

✓ Ambient light sensor

Buzzer

Breadboard



Which component can you connect to a microcontroller to turn a wheel?

✓ Servomotor

Rotation sensor

Ambient light sensor

BBC Micro:bit



سؤال 8:

If an embedded system is not working, what method can you use to solve the problem?



Data Signalling

✔ Troubleshooting

Designing

Converting

Connect a temperature sensor to a microcontroller, but it does not detect a change in temperature. What could be a solution?

- Use a humidity sensor instead
- Remove the cover of the temperature sensor
- Connect the component to the correct microcontroller pin
- Remove power from the microcontroller

سؤال 10:

الدرجة : 2.0

What is this binary number 01001011 in decimal?

11

4B

✓ 75

73

What computational tools are connected to microcontroller to collect data?

Sensors

Online forms

Productivity tools

Machine learning algorithms

You created a software program for a microcontroller that can measure temperature and humidity. Which computational tool should you use to collect opinions on the user interface?

Sensor

✓ Online form

Productivity tool

Machine learning algorithm

