

# Introduction to IoT English 1120 dm

**Started on** Tuesday, 2 February 2021, 4:45 AM

**State** Finished

**Completed on** Tuesday, 2 February 2021, 4:50 AM

**Time taken** 5 mins 12 secs

**Marks** 22.00/31.00

**Grade** 70.97 out of 100.00

## Question 1

Correct

Mark 2.00 out of 2.00

Flag question

What is the output when the following code is entered into a Python program interpreter?

[1,2,4,5] + [3,6]

Select one:

- [21]
- [1,2,4,5,3,6] ✓
- [12]+[9]
- [1,2,3,4,5,6]

Refer to curriculum topic: 2.1.3

The Python interpreter performs concatenation of two lists without reordering the list elements

The correct answer is: [1,2,4,5,3,6]

## Quiz navigation

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## Question 2

Correct

Mark 2.00 out of 2.00

Flag question

What output is expected when the function that is shown below is entered in a Python program interpreter?

`>>>print Cisco 1`

Select one:

- Cisco 1
- "SyntaxError: Missing parentheses in call to 'print'" ✓
- Cisco1
- cisco 1

Refer to curriculum topic: 2.1.3

It will display "SyntaxError: Missing parenthesis in call to "Print"" and furthermore the name 'cisco 1' is not defined.

The correct answer is: "SyntaxError: Missing parentheses in call to 'print'"

## Question 3

Correct

Mark 2.00 out of 2.00

Flag question

What are two resources that could help someone learn to program? (Choose two.)

Select one or more:

- Code Academy ✓
- Kickstarter
- Maker Media
- Khan Academy ✓
- Quirky

Refer to curriculum topic: 2.2.2

There are many resources that help with learning to program. Some resources include the following: Code Academy, Khan Academy, Blockly, and MIT OpenCourseWare (OCW).

The correct answers are: Code Academy, Khan Academy

## Question 4

Incorrect

Mark 0.00 out of 3.00

Flag question

A student has a digitized version of an idea for a product. What machine can the student use to turn the idea into a solid object?

Select one:

- Packet Tracer ✗
- Beaglebone
- Raspberry Pi
- Arduino
- 3D printer

Refer to curriculum topic: 2.2.2

A 3D printer has the capability of producing a solid object. There are also low technology options, such as LEGO Mindstorms, that may work for creating a physical rendition of a prototype. Arduino, Beaglebone, and Raspberry Pi are computing platforms. Packet Tracer is a networking simulation tool.

The correct answer is: 3D printer

**Question 5**

Correct

Mark 2.00 out of 2.00

 Flag question

What is displayed after the following code is entered into a Python interpreter?

```
addition = 22 +10
print(addition)
```

Select one:

- (syntaxerror)...as there should not be a space between the numerical values
- 32 ✓
- [22]+[10]
- nothing ( because the print command is wrong)

Refer to curriculum topic: 2.1.3

The Python interpreter will perform the operation and display the result, 32.

The correct answer is: 32

**Question 6**

Incorrect

Mark 0.00 out of 2.00

 Flag question

Which platform is a low cost, credit-card-sized computer?

Select one:

- Blockly
- Arduino
- Raspberry Pi
- PL-App ✗

Refer to curriculum topic: 2.2.2

The Raspberry Pi is a low cost, credit-card-sized computer that is programmed using Python. The Arduino is an open-source low power physical computing platform used to control devices. The PL-App provides a web-based environment used to access the Raspberry Pi. Blockly is a visual programming tool for beginners.

The correct answer is: Raspberry Pi

**Question 7**

Correct

Mark 2.00 out of 2.00

 Flag question

Which Python programming function is used to display output?

Select one:

- if
- while
- for
- print ✓

Refer to curriculum topic: 2.1.3

Print is used to display output in a Python programming language interpreter.

The correct answer is: print

**Question 8**

Correct

Mark 2.00 out of 2.00

 Flag question

What is Blockly?

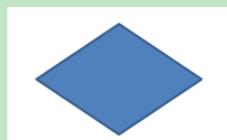
Select one:

- a network simulation program
- a low-cost credit-card-sized computer
- a programming tool for beginners ✓
- a non-profit educational website

Refer to curriculum topic: 2.1.2

No prior programming knowledge or code is needed to start programming with Blockly.

The correct answer is: a programming tool for beginners



Refer to the exhibit. What does the exhibited flow chart symbol commonly represent?

Select one:

- data

- termination
- decision ✓
- connector

Refer to curriculum topic: 2.1.1

The diamond symbol is commonly used to represent "Decision" in a flow chart.

The correct answer is: decision

**Question 10**

Correct

Mark 2.00 out of 2.00

 Flag question

How is a new variable created in Blockly?

Select one:

- Declare the variable in a Dim statement.
- Determine the type of variable needed, then scroll to the appropriate place in the code to insert the variable.
- Drag the variable block onto the work space area. ✓
- Use the assignment operator

Refer to curriculum topic: 2.1.2

In Blockly, a variable is created by dragging the variable block onto the work space area and filling in the value slot.

The correct answer is: Drag the variable block onto the work space area.

**Question 11**

Correct

Mark 2.00 out of 2.00

 Flag question

What is used to illustrate how a given process will run?

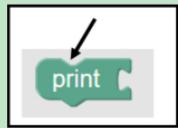
Select one:

- graph
- pie chart
- Packet Tracer
- flow chart ✓

Refer to curriculum topic: 2.1.1

A flow chart is used in programming to illustrate how a given process will run.

The correct answer is: flow chart



Refer to the exhibit. A specific Blockly block has a slot on the top. What is the purpose of this slot?

Select one:

- The block is a variable.
- The slot allows a block with a bevel tab on the bottom to be connected above the block shown.
- A block with a printer name is required to be attached above the block shown. ✗
- This block is the topmost block.

Refer to curriculum topic: 2.1.2

A slot in the top means another block may be attached above the block.

The correct answer is: The slot allows a block with a bevel tab on the bottom to be connected above the block shown.

**Question 13**

Correct

Mark 2.00 out of 2.00

 Flag question

What is one way to pay for prototyping?

Select one:

- mortgage
- crowd funding ✓
- incorporate
- easy pay

Refer to curriculum topic: 2.2.1

Crowd funding is a way to generate money where a small amount of money is contributed by multiple people. A corporation may be formed if a prototype works. A mortgage is used to fund a home.

The correct answer is: crowd funding

**Question 14**

Correct

Mark 2.00 out of



2.00  
Flag  
question

Refer to the exhibit. What does the exhibited flow chart symbol represent?

Select one:

- data
- process ✓
- preparation
- display

Refer to curriculum topic: 2.1.1

The rectangular symbol represents "Process" in a flow chart.

The correct answer is: process

Question 15

Incorrect  
Mark 0.00 out of  
2.00

Flag  
question

Which output would be displayed if the code that is shown below is entered in a Python interpreter?

```
y = ['yellow', 'red', 'green', 'purple', 'white']  
print y
```

Select one:

- It shows "SyntaxError"
- 'yellow', 'red', 'green', 'purple', 'white'
- yellow, red, green, purple, white ✗
- y

Refer to curriculum topic: 2.1.3

A syntax error would be printed because the variable to be printed has to be in parenthesis (y).

The correct answer is: It shows "SyntaxError"

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[◀ Chapter 2: Terms and Concepts](#)  
Practice

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[Read Chapter 3: Everything  
Generates Data ►](#)

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