98 + 42 = ?

130

100

120

140

140

98 - 42 = ?

- ○ 48
- ○ 56
- ○ 62
- ○ 58
- ○ None of the above
- ○ I don't know

Math

42 * 2 = ?

- ○ 56
- ○ 84
- ○ 58
- ○ 64
- ○ None of the above
- ○ I don't know

84

Math

98 / 2 = ?

- ◯ 48
- ◯ 56
- ◯ 58
- ◯ 49
- ◯ None of the above
- ◯ I don't know

49

Math

(4 * 3) = (24 / 2)

○ False

○ True

true

(45 / 5) > 8
True

Math

((45 / 5) + 4) < 12

○ True

○ False

○ I don't know

False

12 / 0 = ?

- ( ) 0
- (✓) 12
- ( ) 120
- ( ) None of the above
- ( ) I don't know

What is the result of 12 % 2 ?

- ( ) 1
- ( ) 2
- (✓) 0
- ( ) I don't know

What is the result of `12 % 3` **?**

- ✓ 0
- ○ 1
- ○ 2
- ○ I don't know

What is the result of `12 % 10` **?**

- ○ 1
- ✓ 2
- ○ 0
- ○ I don't know

Binary uses what base?

- ✓ base 2
- ◯ base 1
- ◯ base 8
- ◯ base 16
- ◯ I don't know

In binary, what is each digit referred to as?

- ✓ Bit
- ○ Byte
- ○ I don't know

How is the decimal number 0 represented in binary?

- ○ 1
- ○ 00
- ✓ 0
- ○ 11
- ○ I don't know

How is the decimal number 3 represented in binary?

- ○ 0
- ○ 00
- ✓ 11
- ○ 1
- ○ I don't know

How is the decimal number 9 represented in binary?

- ○ 1111
- ○ 0101
- ○ 111
- ✓ 1001
- ○ I don't know

What are the dimensions of this matrix?

```
|1 6 4 9|
|3 2 8 5|
|4 0 2 7|
```

- ( ) 1 x 3
- (✓) 4 x 3
- ( ) 3 x 4

In programming, how a matrices normally stored?

- ( ) As a list
- ( ) As a dictionary
- ( ) As key value pairs
- (✓) As an array of arrays
- ( ) I don't know

Does Javascript have `String` as a native data type?

- ☑ Yes
- ◯ No

- ◯ I don't know

What does `let` mean?

(please check all true answers)

- ◯ It's the keyword to define a constant variable

- ☑ It's the keyword to define a variable in the local scope

- ◯ It's the keyword to define a global variable

- ◯ It's the keyword to define a variable with optionally initializing it to a value

- ◯ It's the keyword to define a variable that can be re-assign during the execution

What is the output of this javscript code?

```javascript
function myFunction(a) {
    console.log(a);
}

myFunction(12);
```

- ☒ 12
- ○ 2
- ○ 1

What is the output of this javascript code?

```javascript
const number = 12;
function myFunction(a) {
    console.log(a);
}

myFunction(number);
```

- ○ 2
- ⊘ 12

What is the output of this javascript code?

```javascript
const b = 79;
function myFunction(a) {
    console.log(a + b);
}

myFunction(10);
```

- ✓ 89
- 79

What is the output of this code?

```javascript
let b = 1;

function myFunction(a) {
    console.log(a + b);
    b = a;
}

myFunction(3);
myFunction(4);
```

- 3, 4
- ⊘ 4, 7
- 3, 7

SQL

What does SQL stand for?

○ Structured Query Language

✓ Structured Question Language

○ Sequences of Query Logic

○ Solid Query Language

SQL

What is a relational database?

(please select all correct answers)

○ married databases

○ a collection of data

✓ data are organized by tables, records and columns

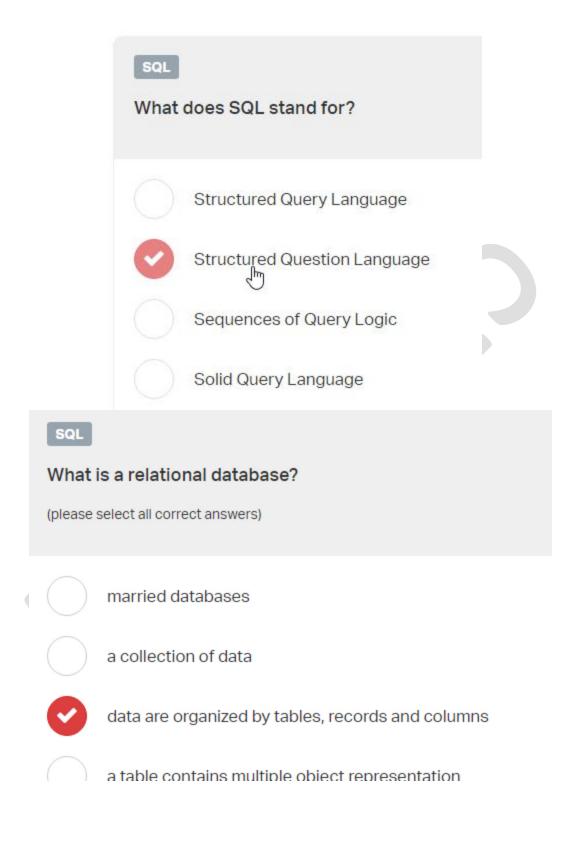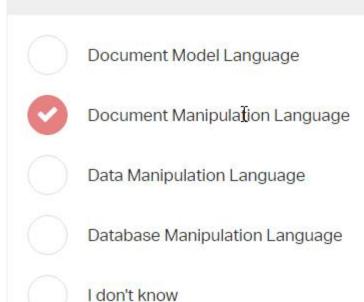○ a table contains multiple object representation

SQL

What does DDL stand for?

- ○ Database Definition Language
- ○ Document Data Language
- ○ Data Document Language
- ✓ Data Definition Language

SQL

What does DML stand for?

○ Document Model Language

✓ Document Manipulation Language

○ Data Manipulation Language

○ Database Manipulation Language

○ I don't know

SQL

How do you list all `users` in this table?

```
+-------+-------------
| Table | Create Table
+-------+-------------
| users | CREATE TABLE `users` (
  `id` int(11) DEFAULT NULL,
  `name` varchar(256) DEFAULT NULL,
  `age` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 |
+-------+-------------
```

○ `DELETE * FROM users;`

✓ `SELECT * FROM users;`

○ `SELECT ALL users;`

○ I don't know

How do you add a new record in the table `users` ?

```
+--------+-------------------------------------------------------------------------
| Table | Create Table
+--------+-------------------------------------------------------------------------
| users | CREATE TABLE `users` (
  `id` int(11) DEFAULT NULL,
  `name` varchar(256) DEFAULT NULL,
  `age` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 |
+--------+-------------------------------------------------------------------------
```

○ `INSERT INTO users (id, name, age) VALUES (2, "Betty");`

○ `INSERT INTO users (id, name) VALUES (2, "Betty", 30);`

○ `INSERT users (id, name, age) VALUES (2, "Betty", 30);`

✓ `INSERT INTO users (id, name, age) VALUES (2, "Betty", 30);`

What is an example of a relational database?

(choose all that apply)

○ Redis

✓ PostgreSQL

○ Cassandra

✓ MySQL

○ Key-value stores

✓ Oracle

What is the time complexity of this function / algorithm?

```
void f(int n)
{
    printf("n = %d\n", n);
}
```

- ✅ O(1)
- ◯ O(n!)
- ◯ O(nlog(n))
- ◯ O(n^2)
- ◯ O(n)

What is the time complexity of this function / algorithm?

```
void f(int n)
{
    int i;

    for (i = 0; i < n; i++)
    {
        printf("[%d]\n", i);
    }
}
```

- ◯ O(n^2)
- ◯ O(2^n)
- ◯ O(n!)
- ◯ O(log(n))
- ◯ O(nlog(n))
- ✅ O(n)

```
{
    int i;

    for (i = 0; i < n; i += 98)
    {
        printf("[%d]\n", i);
    }
}
```

○ O(1)

✓ O(n)

HTML/CSS

What does HTML stand for?

◯ Highly Textual marking list

✓ Hypertext markup language

◯ Hot test more loss

◯ I don't know

HTML/CSS

Choose the correct HTML element for the largest heading:

✓ `<h1>`

◯ `<h6>`

◯ `<heading>`

◯ `<head>`

◯ I don't know

HTML/CSS

What is the correct HTML element for inserting a line break?

- ( ) `<lb>`
- (✓) `<br>`
- ( ) `<break>`
- ( ) I don't know

HTML/CSS

What is the correct HTML for adding a background color?

- ( ) `<background>yellow</background>`
- (✓) `<body style="background-color:yellow;">`
- ( ) `<body bg="yellow">`
- ( ) I don't know

HTML/CSS

Choose the correct HTML element to define emphasized text:

- ○ `<emphasize>`
- ○ `<italic>`
- ○ `<i>`
- ✓ `<em>`
- ○ I don't know

HTML/CSS

What is the correct HTML for creating a hyperlink?

- ✓ `<a href="http://www.google.com">Google</a>`
- ○ `<a>http://www.google.com</a>`
- ○ `<a url="http://www.google.com">Google</a>`
- ○ `<a name="http://www.google.com">Google</a>`
- ○ I don't know

HTML/CSS

Which character is used to indicate an end tag?

- ^
- $
- <
- *
- ✓ /

HTML/CSS

What does CSS stand for?

- ✓ Cascading style sheets
- Colorful style sheets
- Creative style sheets
- C style sheets
- I don't know

HTML/CSS

What is the correct HTML for referring to an external style sheet?

- ✓ `<link rel="stylesheet" type="text/css" href="mystyle.css">`

- `<style src="mystyle.css">`

- `<stylesheet>mystyle.css</stylesheet>`

- I don't know

HTML/CSS

When in an HTML document is the correct place to refer to an external style sheet?

✓ In the `<head>` section

○ At the end of the document

○ In the `<body>` section

○ I don't know

HTML/CSS

Which HTML tag is used to define an internal style sheet?

○ `<script>`

○ `<css>`

✓ `<style>`

○ `<link>`

○ `<import>`

ASCII

What is ASCII?

✅ American standard code for information interchange

◯ Alpha source code for information exchange

◯ A short code for converting letters

◯ Alphabetical source code for information integration

◯ I don't know

ASCII

What is the ASCII value of A ?

◯ a

◯ 1

✅ 65

◯ A

◯ I don't know

ASCII

What is the following word 67 65 84 in ASCII?

○ BAR

○ GYM

✓ CAT

○ CAR

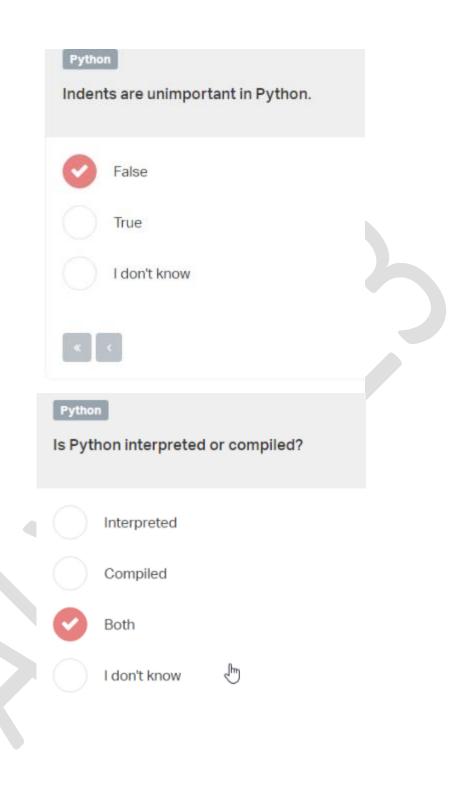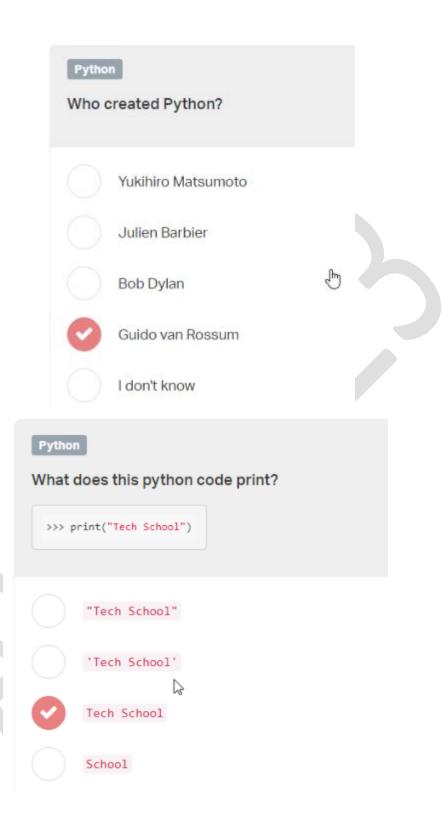○ I don't know

Python

Which example below is declaring an array in Python?

○ `Array == 1, 2, 3`

✓ `[1, 2, 3]`

○ I don't know

Python

Indents are unimportant in Python.

- ✓ False
- ○ True
- ○ I don't know

« ‹

Python

Is Python interpreted or compiled?

- ○ Interpreted
- ○ Compiled
- ✓ Both
- ○ I don't know

Python

Who created Python?

- ◯ Yukihiro Matsumoto
- ◯ Julien Barbier
- ◯ Bob Dylan
- ✓ Guido van Rossum
- ◯ I don't know

Python

What does this python code print?

```
>>> print("Tech School")
```

- ◯ "Tech School"
- ◯ 'Tech School'
- ✓ Tech School
- ◯ School

What does this python code print?

```python
if 12 == 48/4:
    print("Tech")
else:
    print("School")
```

✓ Tech

○ School

○ I don't know

What does this python code print?

```python
for i in range(4):
    print(i, end=" ")
```

○ 1 2 3 4

○ 1 2 3

○ 0 1 2 3 4

✓ 0 1 2 3

Python

What does this command line print?

```python
>>> print("{:d} Battery street".format(98))
```

- ⚪ "98 Battery street"
- ✅ 98 Battery street
- ⚪ 8 Battery street
- ⚪ 9 Battery street

Python

What does this command line print?

```python
>>> a = "Python is cool"
>>> print(a[4])
```

- ⚪ P
- ✅ o
- ⚪ n
- ⚪ Python is cool Python is cool Python is cool python is cool

Linux

What character is used to escape special characters in linux?

- ( ) | (pipe)
- (✓) \ (backslash)
- ( ) ESC (escape)
- ( ) / (slash)
- ( ) I don't know

Linux

What is an example of a wild card in linux?

- (✓) *
- ( ) echo
- ( ) {a..z}
- ( ) " "
- ( ) I don't know

Linux

In Linux, what is the superuser account?

- ✓ root
- ○ The computer's IP address
- ○ Superuser
- ○ I don't know

Is Linux case-sensitive?

○ No

✓ Yes

○ I don't know

How do you print a listing of the current directory's files and directories?

○ `list`

✓ `ls`

○ `cd`

○ `pwd`

How do you print a "long listing", which includes extra details such as permissions, ownership, file sizes, and timesta

○ `ls -a`

○ `ls`

✓ `ls -l`

○ I don't know

Linux

How do you change directory on Linux?

○ `ls`

○ `which`

○ `pwd`

✓ `cd`

○ I don't know

Linux

What does RTFM stand for?

○ Read, Teach, Forget, Migrate

✓ Read The F** Manual

○ Remember The First Manipulation

○ I don't know

« ‹

Great job! You're all done

You now have access to the intranet, it's time to get started on your first projects.

Go back to home