

Prizes!

Education!

Who wants to win some
extra Late Time?

Upside down!

Excitement!

Rules

1 question right : 6 hours of extra late time

2 questions right: 12 hours of extra late time

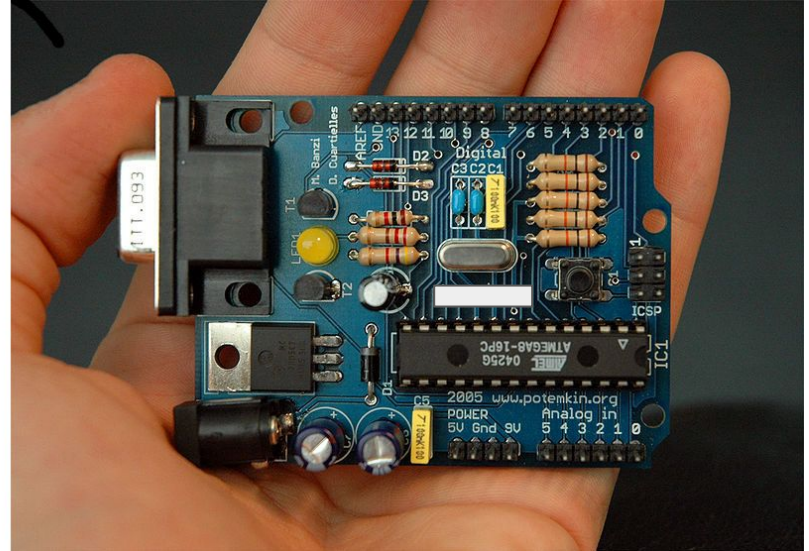
3 questions right: 24 hours of extra late time

You lose everything if you get a question wrong!

You may decide not to answer a question after seeing it, and walk away with your winnings.

What is this?

- a) a Raspberry Pi
- b) the main processing board for a MacBook
- c) an Arduino
- d) the logic controller for a Tesla self-driving car



Processing is an example of

- a) a scripting language
- b) an assembly language
- c) a low-level language
- d) a high-level language

Which one of the following tokens marks the beginning of a source code comment in a Processing program?

a) {

b) (

c) //

d) /

Which one of the following Processing statements draws a rectangle whose center is at (500, 500)?

a) **rect(500, 500, 500, 500);**

b) **rect(100, 100, 600, 600);**

c) **rect(0, 0, 500, 500);**

d) **rect(10, 10, 980, 980);**

Which of the following is a major difference between Processing's default screen coordinates and the coordinates used in mathematics?

- a) the x and y values of a coordinate are swapped, e.g. in math you would write (3, 2), but in Processing you would write it (2, 3)
- b) the x-axis increases to the left (instead of to the right)
- c) the y-axis increases down (instead of up)
- d) there is no difference

If the Processing output window is 400 pixels wide, and 300 pixels high, what are the coordinates of the pixel in the lower-right corner?

a) 399, 299

b) 400, 300

c) 299, 399

d) 300, 400

What kind of a curve does Processing's **arc** function draw?

a) a segment of the edge of an ellipse

b) a Catmull-Rom spline

c) any curve at all

d) a Bezier curve

Processing's **quad** function is used to draw shapes with 4 edges, such as squares, rectangles, and bow-ties. How many different input numbers does **quad** require?

- a) 4
- b) 8
- c) 12
- d) 16

Approximately how many distinct colors can Processing's RGB color notation represent?

a) 16

b) 16.7 thousand

c) 16.7 million

d) 16.7 billion

In the RGB triple (r, g, b) what are the minimum and maximum allowable values for the numbers r, g, and b?

a) 0, 255

b) 0, 256

c) 1, 255

d) 1, 256

What number should replace ? to make this statement print 100.0?

```
println(map(?, 0, 100, 0, 200));
```

a) 25

b) 50

c) 100

d) 150

What programming language is Processing based on?

a) C/C++

b) PHP

c) Java

d) JavaScript