Prizes!

Tube socks!

Who wants to win some extra Late Time? Lecture Quiz

Excitement!

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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 the next question (without seeing it!), and walk away with your winnings.

Which one of the following statements is true of Processing?

a) two (or more) global variables can have the same name

b) two (or more) local variables can have the same name

c) a local variable and a global variable **cannot** have the same name in the same program

d) all of the above are false

Which does this print?

print(constrain(1, 1, 5) + constrain(0, 1, 5) + constrain(10, 1, 5));

a) 3

b) 7

c) 11

d) 15

Which does this print?

print(constrain(min(1, 2), max(-5, -2), min(2, 4)));

Choices: All possible integers.

What is the file name extension for Processing font files?

a) .vlw

b) .pde

c) .font

d) .fnt

Which one of the following statements sets the color of the current font to red?

a) **fill(255, 0, 0);**

b) **stroke(255, 0, 0);**

c) **background(255, 0, 0);**

d) **fontColor(255, 0, 0);**

What is the type of a font variable in Processing?

a) **font**

b) **Font**

c) **Pfont**

d) **PFont**

How many numbers are needed to represent the velocity of a 2-dimensional animated object in Processing?

a) 1

b) 2

c) 3

d) 4

If the center of a circle of radius 50 is (100, 100), what are the coordinates of the rightmost point on the circle's circumference?

a) (100, 150)

b) (50, 100)

c) (100, 50)

d) (150, 100)

Suppose a ball with center (x, y) is moving up the screen at dy pixels per frame. Which one of the following if-statements would make the ball wrap-around to the bottom when it hits the top?

a) **if (y < 0) {**
     y = height;
   }
	b) **if (y < 0) {**
	     y = -dy;
	   }

c) **if (y > height) {**
     y = 0;
   }
	d) **if (y > height) {**
	     y = -dy;
	   }

Why are the two statements in the body of the following if-statement indented?

```
if (x < 0) {
    dx = -dx;
    x = 0;
}
```

a) the compiler requires all statements inside **{** and **}** to be indented

b) you'll get a compiler error if you don't use proper indentation

c) the indentation tells the compiler that the statements are in the body

d) to make it easier for humans to read (the compiler doesn't care)

Which one of the following statements is true?

a) Superman can pull his own head off.

b) If an unstoppable cannon ball hits an immovable post, then the cannon ball will stop.

c) This statement is false.

d) There is somebody in this room such that if they sneeze, then everybody sneezes.