Quiz 4 - Blocks, Procs, and Lambdas

1. What is the primary difference between a block and a method in Ruby?
   (This was discussed in lecture "Review of Blocks")
   a. Blocks cannot have parameters; methods can have parameters.
   b. Methods cannot have parameters; blocks can have parameters.
   c. Methods can be reused, blocks cannot.
   d. There's no difference, they function identically.
   Correct Answer: Option c – Methods can be reused, blocks cannot.
   Explanation:
   Option a – Incorrect answer. Please try again.
   Option b – Incorrect answer. Please try again.
   Option c – Good job!
   Option d - Incorrect answer. Please try again.

2. Which keyword passes control from a method to a block?
   (This was discussed in lecture "The yield Keyword")
   a. `pass`
   b. `transfer`
   c. `yield`
   d. `delegate`
   Correct Answer: Option c - `yield`
   Explanation:
   Option a – Incorrect answer. Please try again.
   Option b – Incorrect answer. Please try again.
   Option c – Good job!
   Option d – Incorrect answer. Please try again.

3. What method checks if a block has been passed to a method?
   (This was discussed in lecture "The block_given? Method")
   a. `block_exists?`
   b. `block_attached?`
   c. `block_passed?`
   d. `block_given?`
   Correct Answer: Option d – `block_given?`
   Explanation:
   Option a – Incorrect answer. Please try again.
   Option b – Incorrect answer. Please try again.
   Option c – Incorrect answer. Please try again.
   Option d – Good job!

4. What is the difference between lambdas and procs?
   (This was discussed in lecture "Differences between Lambdas and Procs")
   a. Lambdas check their number of arguments, while procs do not.
   b. Procs check their number of arguments, while lambdas do not.
   c. There is no difference between the two.

Correct Answer: Option a - Lambdas check their number of arguments, while procs do not.

Explanation:

Option a – Good job!

Option b – Incorrect answer. Please try again.

Option c – Incorrect answer. Please try again.

Option d – Incorrect answer. Please try again.

5. Say you're defining a method that will accept a block. What symbol should you prefix your parameter with?

(This was discussed in lecture "Methods with Proc Parameters")

    a. `&`

    b. `*`

    c. `%`

    d. `$`

Correct answer: Option a - `&`

Explanation:

Option a – Good job!

Option b – Incorrect answer. Please try again.

Option c – Incorrect answer. Please try again.

Option d – Incorrect answer. Please try again.