

# Java Genesis Chapter 6

## Quick Quiz Solutions

### Question 1

- (a) Takes two integers `x` and `y` and returns a value of type `double` denoting their average.
- (b) Takes an integer `x` and returns `true` if and only if `x` leaves a remainder of 1 when divided by 5 and a remainder of 2 when divided by 7.
- (c) Takes an array `x` of integers and prints in the Output window the elements in the array in reverse order. Each number appears on a new line. The method does not return any value.
- (d) Takes an array `x` of integers and an integer `y` and returns the element in `x` at index position `y`, except that
  - if `y` is negative, the first element of `x` is returned;
  - if `y` is too large to be an index position of `x`, the last element of `x` is returned.
- (e) Takes an array `x` of integers and returns `true` if and only if the array is a palindrome, i.e. the list of element in the array is the same whether read from the first to the last or from the last to the first.
- (f) Same as for (e) above, i.e. takes an array `x` of integers and returns `true` if and only if the array is a palindrome.

### Question 2

Options (a), (b), (e), (g), (h), (j) and (k) each give correct code for the method `equal`. The other options, namely, (c), (d), (f) and (i) each give incorrect code for the method.

### Question 3

2 3 4 1

### Question 4

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