PASSING PARAMETERS

Oracle - Java Tutorial:

Passing Information to a Method or a Constructor

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REVIEW: VARIABLES

- For primitive data types, values are stored.

- For objects, reference to objects are stored.

Example:

double height = 65.5;

int age = 20;

String name = "Cameron";

Scanner in = new Scanner(System.in);
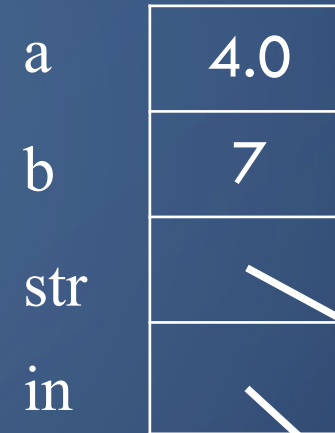
height | 65.5
age | 20
name |
in |

String:
"Cameron"

Scanner:
System.in

PASSING PARAMETERS

- When a primitive data type is passed as a parameter, the value is copied.

- When an object is passed as a parameter, the reference is copied.

In main

a | 4.0
b | 7
str |
in |

```
1   import java.util.Scanner;
2
3   public class Mystery {
4
5       public static void main(String[] args) {
6           double a = 4.0;
7           int b = 7;
8           String str = "Hello";
9           Scanner in = new Scanner(System.in);
10          mystery(a, b, str, in);
11      }
12
13      public static void mystery(double w, int x, String y, Scanner z) {
14          // ...
15      }
16
17  }
```

In mystery

w | 4.0
x | 7
y |
z |

String:
"Hello"

Scanner:
System.in