# Java Basics Part 3 Notes

Team Treehouse

May 21, 2020

## 1 Reviewing our Feedback

- *System.exit(...);*
  - causes the program to exit
  - *System.exit(0)* → means program exited intentionally
  - *System.exit(1)* → means program exited abnormally

```
1   import java.io.Console;
2
3   public class Introductions {
4       public static void main(String[] args) {
5           Console console = System.console();
6
7           int age = 13;
8           if (age < 13) {
9               console.printf("Sorry. You must be 13 years to use
    this program");
10              System.exit(0);
11          }
12
13          String name = console.readLine("Enter name:   "); // <-
    Let's write 'Moe' here
14          String adjective = console.readLine("Enter adjective:   ")
    ; // <- and 'glad to be with his love' here :)
15          console.printf("%s is very %s\n", name, adjective);
16      }
17  }
18
```

## 2 Exercise 1

- Solution included in *exercise_1.java*

# 3 Parsing Integers

- *Integer.parseInt(...)*
  - Extracts integer from string
  - Is also called **typecasting**

```
import java.io.Console;

public class Introductions {
    public static void main(String[] args) {
        Console console = System.console();

        String ageString = console.readLine("How old are you?
");

        int age = 13;
        if (Integer.ParseInt(ageString) < 13) { // <- Here :)
            console.printf("Sorry. You must be 13 years to use
this program");
            System.exit(0);
        }

        String name = console.readLine("Enter name:   "); //
<- Let's write 'Moe' here
        String adjective = console.readLine("Enter adjective:
 "); // <- and 'glad to be with his love' here :)
        console.printf("%s is very %s\n", name, adjective);
    }
}

```

# 4 Censoring Words - Using String Equality

- *STRING_VAR.equals('...')*
  - Checks if value in *STRING_VAR1* is equal to parameter value

```
import java.io.Console;

public class Introductions {
    public static void main(String[] args) {
        ...

        String noun = console.readLine("Enter noun:   ");

        if (noun.equals("Dork")) { // <- Here :)
            console.printf("The language is not allowed. Exiting\n
");
            System.exit(0);
```

```
            }

            ...
        }
    }

```

- *STRING_VAR.equalsIgnoreCase('...')*
  - Checks if value in *STRING_VAR1* is equal to parameter
  - Case is ignored value

```
    import java.io.Console;

    public class Introductions {
        public static void main(String[] args) {
            ...

            String noun = console.readLine("Enter noun:   ");

            if (noun.equalsIgnoreCase("Dork")) { // <- Here :)
                console.printf("The language is not allowed. Exiting\n
    ");
                System.exit(0);
            }

            ...
        }
    }

```