Java Objects Part 4 Notes

Team Treehouse

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1 Exceptions



- throw new EXCEPTION_NAME: raises exception EXCPETION_NAME
- try and catch: handles expections

```
12 }
13
```

Listing 1: lesson_01/Game.java

```
import java.util.Scanner;
      public class Prompter {
          public boolean promptForGuess() {
5
6
               boolean isHit = false;
               try { // <- And this little guy here :)</pre>
8
                   isHit = game.applyGuess(guess);
9
               } catch (IllegalArgumentException iae) {
                   System.out.println(iae.getMessage());
11
12
13
               return isHit;
14
          }
15
      }
16
17
```

Listing 2: lesson_01/Prompter.java

Notes:

- Files can be compiled and displayed by typing javac Example.java && java Example in terminal

2 Validating and Normalizing User Input



• Character.toLowercase(CHAR_VAR): turns value in CHAR_VAR to a lowercase character

Listing 3: lesson_02/Game.java

Notes:

- Files can be compiled and displayed by typing javac Example.java && java Example in terminal

3 Exercise 2

• Solution included in exercise_2.java

4 Using Method Overloading



Listing 4: lesson_04/Game.java

```
12 ...
13 }
14 }
```

Listing 5: lesson_04/Prompter.java

$\underline{\text{Notes:}}$

 — Files can be compiled and displayed by typing javac Example.
java&&java Example in terminal

5 Determining if the Game is Won

• Notes:

 — Files can be compiled and displayed by typing javac Example.
java&&java Example in terminal