CSE 11 Accelerated Intro to Programming Discussion Section 9

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Logistics

- PA9 released due Thursday No resubmission
- Exam3
 - Friday

Exceptions

- Checked exceptions
 - Must be handled in some way (try/catch, throws clause)
 - Example: IOException

```
Class FileHelper {
 static String[] getLines(String path) {
   try {
     return Files.readAllLines(Paths.get(path)).toArray(String[]::new);
   catch(IOException e) {
        System.err.println("Error reading file");
        return new String[]{"Error reading file"};
```

- - ArithmeticException
 - IndexOutofBoundsException
 - IllegalArgumentException
 - NullPointerException

• Unchecked exceptions
• Do not have to b int b;

int c = a/b;

Primitive types

```
int a = 1;
int b = 1;
boolean c = a == b; // true
```

Non-primitive types

• String, Point, TextTweet, ImageQuery, Array, ArrayList • == does not work as expected a -> "hello" h -> "hello" String a = "hello";
String b = "hhello".substring(1); boolean c = a == b; // ??? false • Instead, use equals method to check equality equals method String a = "hello"; String b = "hhello".substring(1); boolean c = a.equals(b); // ??? true Special case: Arrays $int[] a = \{1, 2, 3\};$ $int[] b = \{1, 2, 3\};$ same as a=bboolean c = a.equals(b); // ??? falseboolean d = Arrays.equals(a, b); // ??? twe // import java.util. Arrays;

- Similar to Exam1/2 (programming + video)
 Cumulative -> (-1)
 - · Cumulative -> Contents before exam1 might be covered
 - Start early
 - Read instructions carefully
 - Follow instructions closely

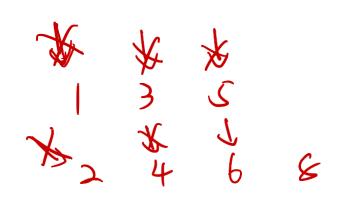
PA9

" LSE"

"CSE 11 is great"

"No, CSE 11 is hand"

" I love CSZ"



1 2 3 4 5 6 8

Thanks!