

CSCB07

<https://github.com/Conanap/CSCB07F16F.git>

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Exceptions

- Same thing as exceptions in Python
- uses a try{...} catch block
- try {
...
} catch (NullPointerException|IOException e) {
...
} catch (MoreException e) {
...
} finally {...}

- Remember to import the relevant exception
- The exception is a object, so you can print it
- You can create your own exception (see `CoolException.java`)

Checked vs unchecked

- Checked exceptions mean the compiler can tell it may happen
 - custom exceptions are of this type
- Unchecked exceptions are faults caused by programming error - it's your fault!
 - an example is `DivideByZeroException` and `NullPointerException`

- `public void eat() throws CoolException {...}`
- If I call the eat method, either:
 - I must have a try catch method to catch this exception
 - Or have `throws CoolException` at the end of it's signature
- Unless it's an unchecked exception

Everyone's favourite:
JUnit test!

- `import org.junit.assert.*;`
- `assertEquals([String msg], Object expected, Object actual)`
 - can be string, int, boolean, ... anything with `.equals` or primitive types
 - for double: `assertEquals([String msg], exp, act, error)`
- `assertTrue([String msg], boolean) // only pass if bool is true`
- `assertFalse(ditto) // ditto but opposite`
- `assertNull([String], obj)`
- `assertNotNull(ditto)`
- `assertSame` and `notSame(ditto) // check if points to same obj`

Junit test suits

- Basically a file to run all the tests for you
- Not necessary, just in case anya taught you guys it

Building Android apps

Jk I'm not teaching
you that, go learn it

Questions / topics you
want me to cover?