

Exceptions

Wednesday, January 29, 2025 3:23 PM

An exception / err
goes wrong whil
that effects the

By default an
app.

An exception te
they are using fi

```
// Scanner reads input from  
Scanner scanner = new Scanner  
  
try {  
    System.out.println("PL
```

ALWAYS

```
int num = scanner.next()

System.out.println("Yo
} finally {
    // closes the scanner
    scanner.close();
}
```

runs — so the scanner
if the app br

```
Scanner scanner = new Scanner(System.in);
try {...} finally {
    // closes the scanner to avoid
    scanner.close();
}
```

```
try (Scanner scanner = new Scanner(System.in));
// closes the scanner to avoid wastin
```

Exception

(Handlable)

Null Pointer → access a null

Input Mismatch → string when wanted a

Array Index Out of Bounds → you're
to a
index
does

[

→ { "Ret",

→ { "Fido",

→ { "Stephen"

)

```
public Dog findDog(String name) throw
    for (Dog dog : this.dogs) {
        if(dog.getName() == name) {
            return dog;
        }
    }

    throw new DogNotFoundException("N
}
}
```

'throws' (creates) a new

