

## Error handling

Input errors ~ typing "hello" where number is expected

→ How to handle such surface errors

## Database consistency

- Foreign keys
  - Triggers
  - User rights
- } Why check in db and not just in the java side?

## Accidental errors

- Network connections
- Disk errors

try catch ~ the language mechanism

→ All languages have something similar

In java we have

• try catch } with 3 layers

• throw

• try catch with resources

• Checked & unchecked exceptions  
runtime / compilation

• Finally



```
Servlet {
    try {
        // ...
        double price = faced.getPrice();
        redirect("Good");
    } catch (NoSuchPort) {
        redirect("Bad");
    }
    // ...
}
```

Storage layer

DB layer

`getPrice()` throws `NoSuchPortExcp`

```

double getPrice (int partID ) throws NoSuchElementException
{
    try (Connection con =                     ) {

        String sql = "                      ";
        Statement s = con. createPreper (sql)
        ResultSet r = s. execute (... );

    } catch (SQLException ex) {
        System.out.println(" ~ ")
        Log.       
        throw new NoSuchElementException (... );
    }
}

```