Resources are entities, we use and have to close (closing objects)

Uses  
xternal connection  
object used to establish connections eg java with mongodb

Reusability

--> java to sql

Connection connection = null; (resource)

PreparedStatement stmt = connection.preparStatement(“sql query”)

Stmt.execute()

When there is an exception it doesn’t closes which could lead to resource leak to prevent this the close should be in the finally  
  
for automatic close in the jvm thr try method should be try(Connection conn = null)

Strting buffer --- single threadiing, mutable squences

Regex a string that describes set of pattern

Character classes

\d, \D(matches non digit)

\s, \S(matches non space)

\w \W\(matches non word)

[0-9], [A-Z], [a-z], [A -z]

Quantifiers

-\* matches zero or more occurrences of a character

-+ one or more occurrences of a character

-. any character

-? zero or one

{n} matches exactly n occurrences of character

{n.m} matches at least n and at most m occurrences of a character

{n,} matches n or more occurrences of a char

Capture group