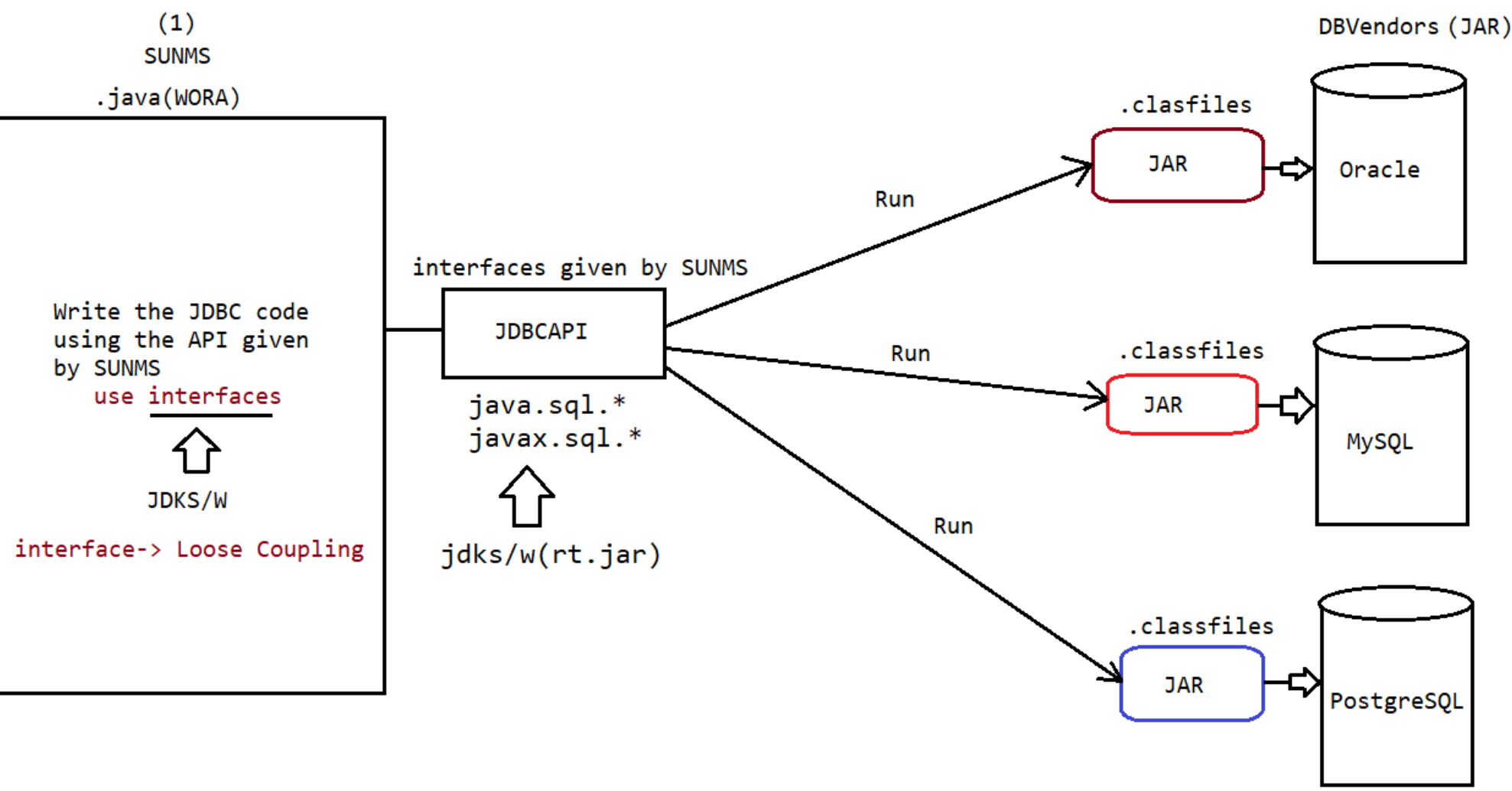


JDBC Architecture



javac,java are the commands executed on commandprompt(os)

os will search for these commands in an environmental variable called "path".

set path = "location of jdk/bin"

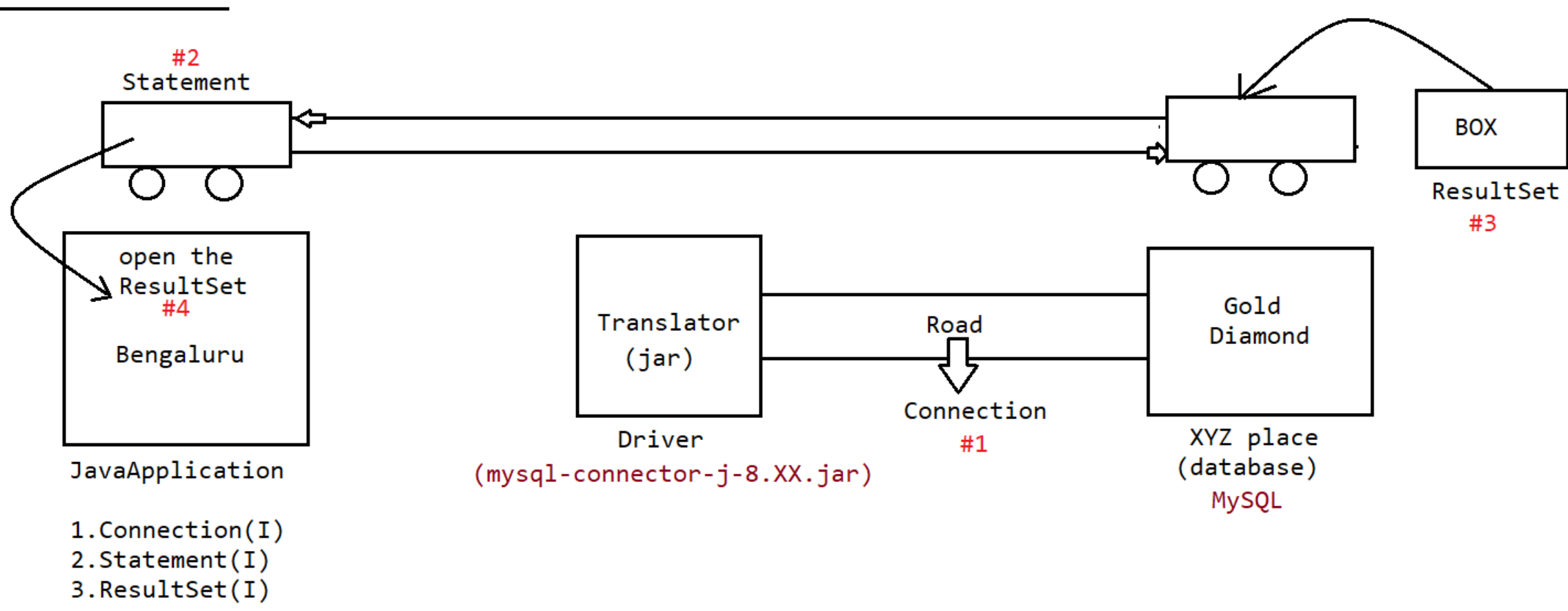
since javac,java commands knows where java.sql packages are present, we need not explicitly tell to javac,java command about the location(rt.jar)

Note:

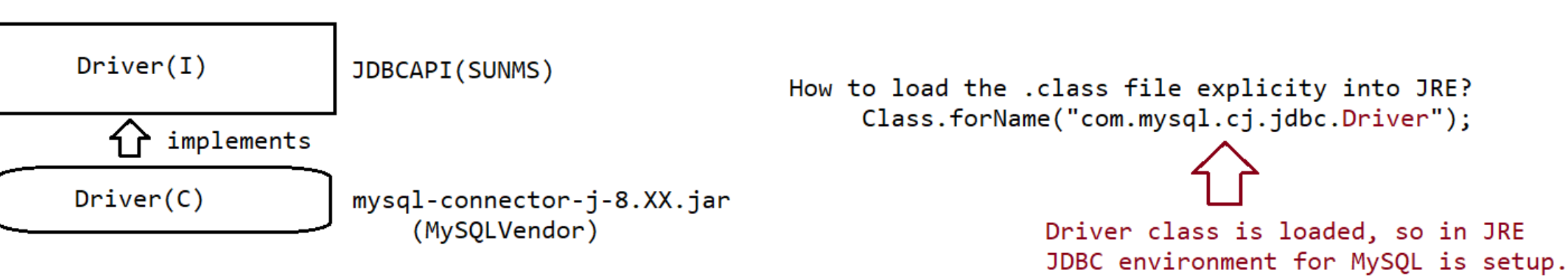
To inform javac,java command about the location of third party jar used in the project, SunMicroSystem had given a new environmental called "classpath".

set classpath =";.;location of 3rd party api"

JDBC Program Flow



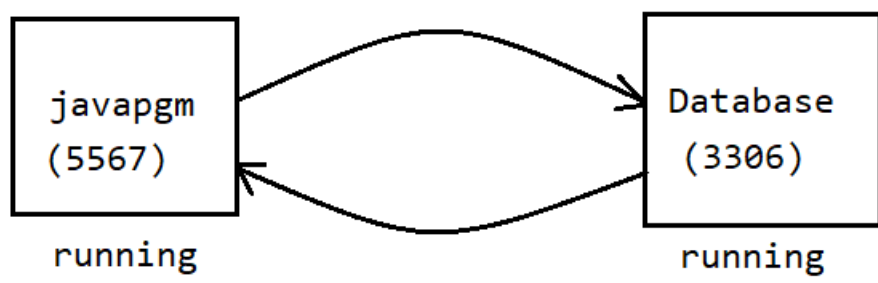
1. Load and register the driver



```
class Driver
{
    static
    {
        Driver driver = new Driver();
        DriverManager.registerDriver(driver);
    }
}
```

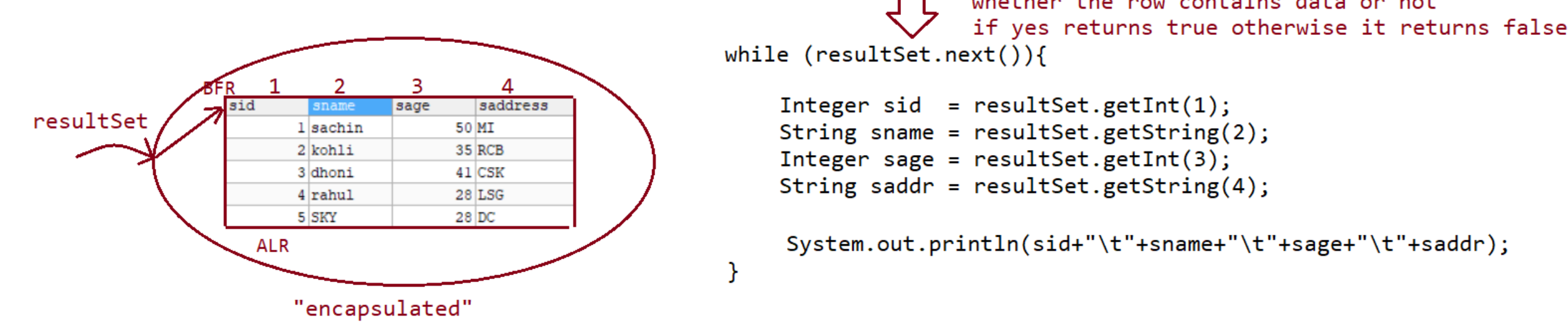
2. Establish the Connection

- protocol
1. DBspecific protocol
 2. webbased protocol



dbprotocol
protocolName:dbengineName://ipaddress of db :portNoOfDb/dbName

4. Process the resultSet



Wrapping the associated data and its members into single unit is called "Encapsulation".
To access/read the data we need to use "getters".
To set/write the data we need to use "setters".