.java

nitin.jpg

stream

PreparedStatement

pstmt.setBlob(2,fis)

1,2

String sqlInsertQuery = "insert into person(`name`,`image`)values(?,?)";

.java

saved to a file

PreparedStatement

person

name	image
nitin	

getString()   varchar longblob

FileOutputStream
(fos) #2

InputStream
(is)
#1

Database

1
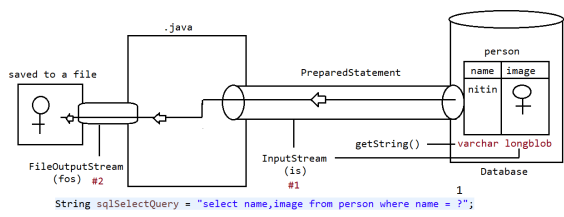
String sqlSelectQuery = "select name,image from person where name = ?";

.java

Database/Image

.img

int i=is.read();
while(i!=-1)
{
    fos.write(i);
    is.read();
}

.java

buffer

Database/Image

fos.write(buffer)

is.read(buffer)

IOutils.copy(fis,fos)

Connection con =DriverManager.getConnection(url,username,password);
con.close();

6 users

.java

6 connection
objects

Creation and destr'n
is a complex task

StandaloneApplication
main()
|=> at a time only one user can use ur application

(ReUsability)
Connectionpool

con   con

con   ...

javax.sql.DataSource(I)

6 users

.java

con

;;;
con.close()

MysqlConnectionPoolDataSource

Database
(MySQL)

webapplication/enterpriseapplication

CallableStatement(I)
====================

.java

java.lang.String
int
float
java.util.Date
java.io.*

cstmt.setInt(1, id);

Driver

VARCHAR
INT
FLOAT
DATE
BLOB
CLOB

database side

String storedProcedure = "{call getStudentsById(?,?,?)}";

2,3

cstmt.registerOutParameter(2, Types.VARCHAR);
cstmt.registerOutParameter(3, Types.VARCHAR);

informing the driver
do convert varchar output to
java.lang.String

JDBC Types helps in mapping the data
coming from database to java.