

# ECAP615

## Programming in Java



Harjinder Kaur  
Assistant Professor

# Learning Outcomes



After this lecture, you will be able to

- understand the concept of CRUD operations
- Implementation of CRUD operations

# CRUD Operations

- The CRUD stands for Create, Read/Retrieve, Update, and Delete.
- These are the four basic functions of the persistence storage.
- The CRUD operation can be defined as user interface conventions that allow view, search, and modify information through computer-based forms and reports.

# CRUD Operations

The following are the standard CRUD Operations:

CREATE Operation

READ Operation

UPDATE Operation

DELETE Operation

# Connection Interface

- A Connection is the session between java application and database.
- The Connection interface is a factory of Statement, PreparedStatement, and DatabaseMetaData.
- The Connection interface provide many methods for transaction management.

# Methods of Connection interface

- `public Statement createStatement()`
- `public Statement createStatement(int resultSetType,int resultSetConcurrency)`
- `public void setAutoCommit(boolean status)`
- `public void commit()`
- `public void rollback()`
- `public void close()`

**That's all for now...**