**Phase 2 :**

Jdbc

Model View Controller

View --🡪 JSP or HTML

Controller -🡪 Servlet

Model -🡪 Normal Java Classes

Login.jsp

Form action =”LoginController”

Username and password

Submit and reset button

LoginController.java (Servlet)

doGet and doPost

receive the value from form using

request.getParameter()

create JavaBean class object

set the value and then create Service class object and pass the JavaBean class object to service layer.

Login Java bean

Variable and setter and getter methods.

LoginService : business logic

From service layer we will call dao method base upon condition

signIn

signUp

1234 before storing in database we will convert in reverse order.

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LoginDao

Write database logic using jdbc or hibernate.

signIn

signUp

filter : filter is use to scan the request and response.

Client application html or jsp we will through URL using hyperlink or submit button etc.

doGet

doPost

client f1, f2, f3---------🡪fn s1

Servlet Filter

init init

service doFilter

req, res req, res, filterChain fc

pre request

fc.doFilter(req,res)

pos req or pre respon

destroy destroy

Hibernate

One to many

Trainer

Tid pk

Tname

Tech

@OneToMany(mappedBy=”tsid”,cascade=All)

List<Students> listOfStd;

Student

Sid pk

Sname

Age

Tsid Integer wrapper (null values)

@ManyToOne

Trainer td

Tables

Trainer

PK

Tid tname tech

1 Raj Java

2 Ramesh Python

Student

PK FK

Sid sname age tsid --TID

100 Seeta 21 1

101 meeta 22 1

102 Keeta 23 2

103 Reeta 24 null

104 Leeta 25 null

Class Employee {

@Id

int empId

}

@Entity

class CompanyAndProduct{

@EmbeddedId

CPId obj

}

@Embedded or @Embeddable

Class CPId {

int cid;

int pid; 1 100

} 2 100

1. 101
2. 101

exception like e

Day 2 : Mentor Session

Jdbc : Java Database Connectivity : JDBC is a API which provided set of classes and interfaces which help to connect the database to do CRUD Operation.

Jdbc through checked exception ie SQLException

Class.forName(“com.mysql.cj.jdbc.Driver”);

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

PreparedStatement pstmt = con.prepareStatement(“insert into employee values(?,?,?)”);

pstmt.setInt(1,100);

pstmt.setString(2,”Ravi”);

pstm.setFloat(3,120000);

int res = ptmt.execteUpdate();

if(res>0) {

System.out.println(“Record inserted”);

}else {

System.out.println(“Record dint’ insert”);

}