**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Maven-Steps\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*JDBC Application\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

D:\Vaishali All WorkSpace\Maven\_Demo\MyMaven\_BasicDemo\_Jdbc\_3>mvn install:install-file -Dfile=D:\oracle\jdbc\lib\ojdbc14.jar -DgroupId=com.oracle -DartifactId=ojdbc14 -Dversion=11.2.0 -Dpackaging=jar

Step-2) Add following tag in POM.xml

<dependency>

<groupId>com.oracle</groupId>

<artifactId>ojdbc14</artifactId>

<version>11.2.0</version>

</dependency>

Step-3) d...>mvn install -X

Step-4) d:>mvn exec:java

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Maven MultiModule project\*\*\*\*\*\*\*\*\*\***

Step-1) Create This folder [MyMaven\_MultiModule\_Demo\_4]-This is parent module

Step-2) Inside That create [OpsImp\_Module\_1]--Child Module

Step-3) Inside That create [NumOps\_Module\_2]--Child Module

Step-4) Cretae Parent Pom.xml

Step-5) In command prompt go To

D:\Vaishali All WorkSpace\Maven\_Demo\MyMaven\_MultiModule\_Demo\_4>

Step-6)

D:\Vaishali All WorkSpace\Maven\_Demo\MyMaven\_MultiModule\_Demo\_4>mvn install

Step-7> Then for executing NumOps.java Go to

D:\Vaishali All WorkSpace\Maven\_Demo\MyMaven\_MultiModule\_Demo\_4\NumOps\_Module\_2>

Step-8) Type following command for executing the application.

D:\Vaishali All WorkSpace\Maven\_Demo\MyMaven\_MultiModule\_Demo\_4\NumOps\_Module\_2>mvn exec:java

OR Type following

D:\Vaishali All WorkSpace\Maven\_Demo\MyMaven\_MultiModule\_Demo\_4\NumOps\_Module\_2>

mvn exec:java -Dexec.mainClass="com.igate.operations.NumOps"

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Create Maven Site\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

D:\Vaishali All WorkSpace\Maven\_Demo\MyMaven\_MultiModule\_Demo\_4>mvn site

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Maven and Eclipse\*\*\*\*\*\*\*\*\*\*\***

Do the initial Setting in eclipse

1) first copy the local repository .m2 on local machine

go to eclipse -preferences-maven-usersetting

give the location "c:\user\vaissriv\.m2\setting.xml

then create type maven project

**......setting.xml in .m2 folder for local repository is as follows...........**

<settings xmlns="http://maven.apache.org/SETTINGS/1.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.0.0

https://maven.apache.org/xsd/settings-1.0.0.xsd">

<localRepository>

C:\Users\vaissriv\.m2\repository

</localRepository>

<interactiveMode/>

<usePluginRegistry/>

<offline/>

<pluginGroups/>

<servers/>

<mirrors/>

<proxies/>

<profiles/>

<activeProfiles/>

</settings>

.............................................................44444444444…………………………………………

Execute Java App Using Maven.

Modify Pom.xml

Go To Run Configuration -Go To Main Tab-In Goal Text box

Type exec:java -X

and then run the program.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Apache Archiva Configuration\*\*\*\*\*\*\*\*\*\***

port=8081

user=admin

password=admin123

email=admin@example.com

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Why you need Apache Archiva?

Q : Let’s assume a new team member just joined your team, and for sure the new member will take a very long time in the first time building process because it’s required to download the dependency libraries from Maven central repository.

A : With help of Apache Archiva, you have own central repository in your team, you are connect to your own repository instead of Maven central repository. It cut off the long first time building process and good in centralize the dependency libraries in your project.

**\*\*\*\*\*\*\*\*My\_Maven\_Basic\_Deno\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Folder Structure\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

D:\Vaishali Srivastava\Training Vaishali\My Own IGate Material\MyOwnIGateMavenDemos\Maven\_Demo\My\_Maven\_Basic\_Deno\src\main\java

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Batch.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package bat;

public class Batch

{

private int batchId;

private String batchTime;

private String batchFaculty;

public Batch(){}

public int getBatchId() {

return batchId;

}

public void setBatchId(int batchId) {

this.batchId = batchId;

}

public String getBatchTime() {

return batchTime;

}

public void setBatchTime(String batchTime) {

this.batchTime = batchTime;

}

public String getBatchFaculty() {

return batchFaculty;

}

public void setBatchFaculty(String batchFaculty) {

this.batchFaculty = batchFaculty;

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Date.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.vai;

public class Date

{

int day;

int mon;

int year;

static int dateCount=0;

public void initDate()

{

day=0;

mon=0;

year=0;

}

public void setDate(int dd,int mm,int yy)

{

day=dd;

mon=mm;

year=yy;

}

public String dispDate()

{

return ( day+"/"+mon+"/"+year);

}

public Date(int day, int mon, int year)

{

this.day = day;

this.mon = mon;

this.year = year;

}

public Date()

{

this.day = 0;

this.mon = 0;

this.year = 0;

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Employee.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.vai;

public class Employee

{

int empId;

String empName;

float empSal;

char gender;

Date dateOfJoin;

static int count;

public Employee(int empId, String empName, float empSal, char gender,

Date dateOfJoin)

{

super();

this.empId = empId;

this.empName = empName;

this.empSal = empSal;

this.gender = gender;

this.dateOfJoin = dateOfJoin;

count++;

}

public String dispEmpInfo()

{

return "Employee [empId=" + empId + ", empName=" + empName

+ ", empSal=" + empSal + ", gender=" + gender

+ ", dateOfJoin=" + dateOfJoin.dispDate() + "]";

}

public float calcEmpGrossSal()

{

return empSal;

}

public static void getCount()

{

System.out.println(" Count Of Emp Is :"+count);

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Student.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package stu;

import bat.Batch;

public class Student

{

private int rollNo;

private String stuName;

private int totalMarks;

private Batch stuBatchInfo;

public Student(){}

public int getRollNo()

{

return rollNo;

}

public Batch getStuBatchInfo() {

return stuBatchInfo;

}

public void setStuBatchInfo(Batch stuBatchInfo) {

this.stuBatchInfo = stuBatchInfo;

}

public void setRollNo(int rollNo)

{

this.rollNo = rollNo;

}

public String getStuName() {

return stuName;

}

public void setStuName(String stuName)

{

this.stuName = stuName;

}

public int getTotalMarks()

{

return totalMarks;

}

public void setTotalMarks(int totalMarks)

{

this.totalMarks = totalMarks;

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*TestEmp.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

import static java.lang.Math.pow;

import com.igate.vai.Date;

import com.igate.vai.Employee;

public class TestEmpDemo

{

public static void main(String[] args)

{

Date paruDOJ=new Date(13,11,2004);

Employee paruE=new Employee(111,"Parvati",30000.0F,'F',paruDOJ);

System.out.println(" Total Sal Of Emp :"+paruE.calcEmpGrossSal());

System.out.println(" Emp Info : "+paruE.dispEmpInfo());

System.out.println(" 4 Raise to 5 is :"+pow(Integer.parseInt(args[0]), 5));

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*pom.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.igate.pune</groupId>

<artifactId>My\_Maven\_Basic\_Deno</artifactId>

<version>1.0</version>

<packaging>jar</packaging>

<name>My\_Maven\_Basic\_Deno</name>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

</dependencies>

</project>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*MyMaven\_BasicDemo\_2\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*pom.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.igate.pune</groupId>

<artifactId>My\_Maven\_Basic\_Demo\_2</artifactId>

<version>1.0</version>

<packaging>jar</packaging>

<name>My\_Maven\_Basic\_Demo\_2</name>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

</dependencies>

<!--Extra tag-->

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-antrun-plugin</artifactId>

<version>1.1</version>

<executions>

<execution>

<id>id.pre-clean</id>

<phase>pre-clean</phase>

<goals>

<goal>run</goal>

</goals>

<configuration>

<tasks>

<echo>pre-clean phase by vaishali</echo>

</tasks>

</configuration>

</execution>

<execution>

<id>id.clean</id>

<phase>clean</phase>

<goals>

<goal>run</goal>

</goals>

<configuration>

<tasks>

<echo>clean phase</echo>

</tasks>

</configuration>

</execution>

<execution>

<id>id.post-clean</id>

<phase>post-clean</phase>

<goals>

<goal>run</goal>

</goals>

<configuration>

<tasks>

<echo>post-clean phase</echo>

</tasks>

</configuration>

</execution>

</executions>

</plugin>

<!-- Compiule and run phase-->

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.3</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

<!--<plugin>

<groupId>org.codehaus.mojo</groupId>

<artifactId>exec-maven-plugin</artifactId>

<version>1.2.1</version>

<configuration>

<mainClass>com.igate.vai.App</mainClass>

</configuration>

</plugin>-->

<plugin>

<groupId>org.codehaus.mojo</groupId>

<artifactId>exec-maven-plugin</artifactId>

<version>1.2.1</version>

<configuration>

<mainClass>TestEmpDemo</mainClass>

<executable>java</executable>

<arguments>

<argument>2</argument>

<argument>4</argument> </arguments>

</configuration>

</plugin>

</plugins>

</build>

</project>

D:\Vaishali All WorkSpace\Maven\_Demo\MyMaven\_BasicDemo\_2>mvn post-clean

D:\Vaishali All WorkSpace\Maven\_Demo\MyMaven\_BasicDemo\_2>mvn install

D:\Vaishali All WorkSpace\Maven\_Demo\MyMaven\_BasicDemo\_2>mvn exec:java -Dexec.ma

inClass="com.igate.vai.App"

**\*\*\*\*\*\*D:\Vaishali Srivastava\Training Vaishali\My Own IGate Material\MyOwnIGateMavenDemos\Maven\_Demo\MyMaven\_BasicDemo\_Jdbc\_3\*\*\*\*\*\*\*\*\*\***

import java.sql.\*;

public class TestJdbcResultSetDemo

{

public static void main(String[] args)

{

Connection cnn;

Statement stmt;

ResultSet rs;

String url="jdbc:oracle:thin:@localhost:1521:XE";

String query="SELECT \* FROM eee1";

try

{

Class.forName("oracle.jdbc.driver.OracleDriver");

}

catch(ClassNotFoundException e)

{

System.out.println("Class not found!!!!!!"+e);

}

try

{

cnn=DriverManager.getConnection(url,"system","root");

stmt=cnn.createStatement();

rs=stmt.executeQuery(query);

System.out.println("Printing first row from result set........");

rs.next();

System.out.println(rs.getInt(1)+"\t\t"+rs.getString(2)+"\t\t"+rs.getInt(3));

}

catch(SQLException e)

{

e.printStackTrace();

System.out.println("..................."+e.getMessage());

}

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*pom.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.igate.pune</groupId>

<artifactId>MyMaven\_BasicDemo\_Jdbc\_3</artifactId>

<version>1.0</version>

<packaging>jar</packaging>

<name>MyMaven\_BasicDemo\_Jdbc\_3</name>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<!-- ORACLE database driver -->

<dependency>

<groupId>com.oracle</groupId>

<artifactId>ojdbc14</artifactId>

<version>11.2.0</version>

</dependency>

</dependencies>

<!--Extra tag-->

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-antrun-plugin</artifactId>

<version>1.1</version>

<executions>

<execution>

<id>id.pre-clean</id>

<phase>pre-clean</phase>

<goals>

<goal>run</goal>

</goals>

<configuration>

<tasks>

<echo>pre-clean phase by vaishali</echo>

</tasks>

</configuration>

</execution>

<execution>

<id>id.clean</id>

<phase>clean</phase>

<goals>

<goal>run</goal>

</goals>

<configuration>

<tasks>

<echo>clean phase</echo>

</tasks>

</configuration>

</execution>

<execution>

<id>id.post-clean</id>

<phase>post-clean</phase>

<goals>

<goal>run</goal>

</goals>

<configuration>

<tasks>

<echo>post-clean phase</echo>

</tasks>

</configuration>

</execution>

</executions>

</plugin>

<!-- Compiule and run phase-->

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.3</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

<plugin>

<groupId>org.codehaus.mojo</groupId>

<artifactId>exec-maven-plugin</artifactId>

<version>1.2.1</version>

<configuration> <mainClass>TestJdbcResultSetDemo</mainClass>

</configuration>

</plugin>

<!--<plugin>

<groupId>org.codehaus.mojo</groupId>

<artifactId>exec-maven-plugin</artifactId>

<version>1.2.1</version>

<configuration>

<mainClass>TestEmpDemo</mainClass>

<executable>java</executable>

<arguments>

<argument>5</argument>

<argument>4</argument> </arguments>

</configuration>

</plugin>-->

</plugins>

</build>

</project>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Maven Inheritance\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*D:\Vaishali Srivastava\Training Vaishali\My Own IGate Material\MyOwnIGateMavenDemos\Maven\_Demo\MyMaven\_MultiModule\_Demo\_4/pom.xml\*\*\*\*\*\*\*This is Parent pom file\*\*\*\*\*\*\*\*\*\*\*\***

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.igate.operations</groupId>

<artifactId>MyMaven\_MultiModule\_Demo\_4</artifactId>

<packaging>pom</packaging>

<version>1.0-SNAPSHOT</version>

<name>Vaishali Maven Module Example </name>

<url>http://maven.apache.org</url>

<modules>

<module>NumOps\_Module\_2</module>

<module>OpsImp\_Module\_1</module>

</modules>

<build>

<plugins>

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

<plugin>

<groupId>org.codehaus.mojo</groupId>

<artifactId>exec-maven-plugin</artifactId>

<version>1.2.1</version>

<configuration> <mainClass>com.igate.operations.NumOps</mainClass>

</configuration>

</plugin>

</plugins>

</build>

<dependencyManagement>

<dependencies>

<dependency>

<groupId>com.igate.operations</groupId>

<artifactId>OpsImp\_Module\_1</artifactId>

<version>${project.version}</version>

</dependency>

</dependencies>

</dependencyManagement>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

</dependencies>

</project>

**\*\*\*\*\*\*\*\*\*D:\Vaishali Srivastava\Training Vaishali\My Own IGate Material\MyOwnIGateMavenDemos\Maven\_Demo\MyMaven\_MultiModule\_Demo\_4\NumOps\_Module\_2/pom.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd">

<parent>

<groupId>com.igate.operations</groupId>

<artifactId>MyMaven\_MultiModule\_Demo\_4</artifactId>

<version>1.0-SNAPSHOT</version>

</parent>

<!--<plugins>

<plugin>

<groupId>org.codehaus.mojo</groupId>

<artifactId>exec-maven-plugin</artifactId>

<version>1.2.1</version>

<configuration>

<mainClass>NumOps</mainClass>

</configuration>

</plugin>

</plugins>-->

<modelVersion>4.0.0</modelVersion>

<artifactId>NumOps\_Module\_2</artifactId>

<packaging>jar</packaging>

<dependencies>

<dependency>

<groupId>com.igate.operations</groupId>

<artifactId>OpsImp\_Module\_1</artifactId>

</dependency>

</dependencies>

</project>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*NumOps.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.operations;

import java.util.ArrayList;

import java.util.Iterator;

import java.util.List;

public class NumOps

{

private List <Operation> ops = new ArrayList <Operation>();

public NumOps()

{

ops.add( new AddOps());

ops.add(new SubOps());

ops.add(new MulOps());

}

public Operation getOp(int i)

{

Operation retval;

if (i > ops.size())

{

retval = null;

}

else {

retval = (Operation) ops.get(i);

}

return retval;

}

public int size() {

return ops.size();

}

public static void main( String[] args )

{

NumOps nop = new NumOps();

for (int i=0; i < nop.size(); i++)

{

System.out.println( "2 " + nop.getOp(i).getDesc() +

" 1 is " + nop.getOp(i).op(2,1)

);

}

}}

**\*\*\*\*\*\*\*\*\*D:\Vaishali Srivastava\Training Vaishali\My Own IGate Material\MyOwnIGateMavenDemos\Maven\_Demo\MyMaven\_MultiModule\_Demo\_4\OpsImp\_Module\_1/pom.xml\*\*\*\*\*\*\*\*\*\***

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd">

<parent>

<groupId>com.igate.operations</groupId>

<artifactId>MyMaven\_MultiModule\_Demo\_4</artifactId>

<version>1.0-SNAPSHOT</version>

</parent>

<modelVersion>4.0.0</modelVersion>

<artifactId>OpsImp\_Module\_1</artifactId>

<packaging>jar</packaging>

</project>

**\*\*\*\*\*\*\*\*\*\*\*AddOps.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.operations;

public class AddOps implements Operation {

public int op(int a, int b)

{

return a+b;

}

public String getDesc() {

return "plus";

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*MultiOps.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.operations;

public class MulOps implements Operation

{

public int op(int a, int b) {

return a \* b;

}

public String getDesc() {

return "times";

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Operation.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.operations;

public interface Operation

{

int op(int a, int b);

String getDesc();

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*SubOps.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.operations;

public class SubOps implements Operation

{

public int op(int a, int b)

{

return a-b;

}

public String getDesc()

{

return "minus";

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Maven-Eclipse\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Account Maven Project/pom.xml \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>bank.kotak</groupId>

<artifactId>Account</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>jar</packaging>

<name>Account</name>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

</dependencies>

</project>

**\*\*\*\*\*\*\*\*\*\*\*\*Account.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package bank.kotak.account;

public class Account

{

int accountId;

String custName;

int balance;

public Account(int accountId, String custName, int balance) {

super();

this.accountId = accountId;

this.custName = custName;

this.balance = balance;

}

@Override

public String toString() {

return "Account [accountId=" + accountId + ", custName=" + custName

+ ", balance=" + balance + "]";

}

public void withdraw(int withdrawAmt)

{

balance=balance-withdrawAmt;

}

public void deposite(int depositeAmt)

{

balance=balance+depositeAmt;

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BasicWorlds/pom.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.igate.pune</groupId>

<artifactId>BasicWorld</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>jar</packaging>

<name>BasicWorld</name>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<!-- <dependency>

<groupId>com.oracle</groupId>

<artifactId>ojdbc14</artifactId>

<scope>runtime</scope>

</dependency> -->

<dependency>

<groupId>com.oracle</groupId>

<artifactId>ojdbc14</artifactId>

<version>11.2.0</version>

<scope>runtime</scope>

</dependency>

<dependency>

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<artifactId>log4j</artifactId>

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<scope>compile</scope>

</dependency>

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<groupId>bank.kotak</groupId>

<artifactId>Account</artifactId>

<version>0.0.1-SNAPSHOT</version>

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<plugins>

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<version>1.2.1</version> <configuration> <mainClass>com.igate.pune.BasicWorld.App</mainClass>

</configuration> </plugin> -->

<!-- <plugin> <groupId>org.codehaus.mojo</groupId> <artifactId>exec-maven-plugin</artifactId>

<version>1.2.1</version> <configuration> <mainClass>com.igate.vai.TestStuApp</mainClass>

</configuration> </plugin>

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<artifactId>exec-maven-plugin</artifactId>

<version>1.2.1</version>

<configuration>

<mainClass>TestEmpDemo</mainClass>

<executable>java</executable>

<arguments>

<argument>3</argument>

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</arguments>

</configuration>

</plugin>

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</configuration> </plugin>

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<configuration>

<mainClass>TestAccount</mainClass>

</configuration>

</plugin>

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</build>

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<repository>

<id>archiva.internal</id>

<name>Internal Release Repository</name>

<url>http://localhost:8081/archiva/repository/internal/</url>

</repository>

</distributionManagement>

</project>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*TestStudentApp.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.vai;

import org.apache.log4j.FileAppender;

import org.apache.log4j.Logger;

import org.apache.log4j.xml.XMLLayout;

import bat.Batch;

import stu.Student;

public class TestStuApp

{

public static void main( String[] args )

{

Logger mylogger=Logger.getLogger("TestStuApp.class");

System.out.println( "Welcome To IGate Vaishali ! " );

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println(calcAdd(8,67));

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

Batch javaBatch=new Batch();

javaBatch.setBatchId(666);

javaBatch.setBatchFaculty(" Vaishali Srivastava ");

javaBatch.setBatchTime(" 9.00 AM TO 5.00 P.M ");

Student stu1=new Student();

stu1.setRollNo(111);;

stu1.setStuName("Shrini");

stu1.setTotalMarks(78);

stu1.setStuBatchInfo(javaBatch);

System.out.println("Student Id :"+stu1.getRollNo());

System.out.println("Student Name :"+stu1.getStuName());

System.out.println("Student Marks :"+stu1.getTotalMarks());

System.out.println("Student Batch Info : "+stu1.getStuBatchInfo().getBatchId()+

stu1.getStuBatchInfo().getBatchTime()+

stu1.getStuBatchInfo().getBatchFaculty());

XMLLayout xmllayout=new XMLLayout();

try

{

FileAppender fileappender= new FileAppender(xmllayout,"igate.log",true);

mylogger.addAppender(fileappender);

mylogger.debug("This is Debug Message :"+javaBatch);

mylogger.info("This is log message ");

mylogger.warn("This is warning message");

mylogger.error("This is error level message");

mylogger.fatal("This is fatal error message");

System.out.println("This is my logging programe");

}

catch (Exception e)

{

System.out.println(" Arrray Exception : "+

e.getMessage());

mylogger.error(e.getMessage());

e.printStackTrace();

}

**}**

public static String calcAdd(int a,int b)

{

return ("Addition Of Number is "+(a+b));

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Maven-Web Project\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*End\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*