**Eclipse installation**

Help url: https://www.eclipse.org/downloads/packages/installer

1.jdk download

2.jre download

3.eclipse download

**Start**

File 🡪new 🡪 java project🡪create🡪finish

Project r\_click🡪new🡪package

Same🡪class create

**Selenium**

Download selenium standlone server jar

Download apache poi excel reader

**Config**

Project rightclick 🡪buildpath🡪configbuildpath🡪addexternal jar🡪apply

**Maven help:**

Help url: <https://mkyong.com/maven/how-to-install-maven-in-windows/>

https://www.lambdatest.com/blog/getting-started-with-maven-for-selenium-testing/

**Test ng**

Help url: https://www.lambdatest.com/blog/how-to-install-testng-in-eclipse-step-by-step-guide/

1.Download maven.

2.download testing

After download maven advanced setting –environment—bottom –path meven path—name-path..

After setting—top to give java path

Help🡪install new software🡪add🡪pass url 🡪install🡪accept🡪restart

Pom.xml add depandancy

**Cucucmber :**

Help url= https://www.axelerant.com/blog/setup-for-selenium-with-cucumber-using-maven

Download feature file

**Console colouring:**

Help🡪marketplace🡪ansilecolour🡪search🡪install

After:

Create class:

**public** **class** ConsoleColors {

**public** **static** **final** String ***RESET*** = "\033[0m"; // Text Reset

**public** **static** **final** String ***ERASE*** = "\033[H\033[2J";

**public** **static** **final** String ***HIDDEN*** = "\033[8;30m";

//Creates a black box around the word

**public** **static** **final** String ***BOXING*** = "\033[0;51m"; // BLACK

//This will create a black background and make the text previous color

//Unless color black, then it will make it white

**public** **static** **final** String ***TEXT\_BACKGROUND*** = "\033[0;7m"; // BLACK

// Regular Colors

**public** **static** **final** String ***BLACK*** = "\033[0;30m"; // BLACK

**public** **static** **final** String ***RED*** = "\033[0;31m"; // RED

**public** **static** **final** String ***GREEN*** = "\033[0;32m"; // GREEN

**public** **static** **final** String ***YELLOW*** = "\033[0;33m"; // YELLOW

**public** **static** **final** String ***BLUE*** = "\033[0;34m"; // BLUE

**public** **static** **final** String ***PURPLE*** = "\033[0;35m"; // PURPLE

**public** **static** **final** String ***CYAN*** = "\033[0;36m"; // CYAN

**public** **static** **final** String ***WHITE*** = "\033[0;37m"; // WHITE

**public** **static** **final** String ***LIGHT\_PURPLE*** = "\033[38;2;200;0;200m"; //LIGHT PURPLE

**public** **static** **final** String ***TEAL*** = "\033[38;2;0;225;221m"; //TEAL

**public** **static** **final** String ***ORANGE*** = "\033[38;2;225;153;0m"; //ORANGE

**public** **static** **final** String ***LIGHT\_GREEN*** = "\033[38;2;136;255;0m"; //LIGHT GREEN

**public** **static** **final** String ***LIGHT\_BLUE*** = "\033[38;2;120;172;255m"; //LIGHT BLUE

**public** **static** **final** String ***DARK\_BLUE*** = "\033[38;2;72;0;255m"; //DARK BLUE

**public** **static** **final** String ***ROSY\_PINK*** = "\033[38;2;255;0;162m"; //ROSY PINK

**public** **static** **final** String ***BROWN*** = "\033[38;2;135;82;62m"; //BROWN

**public** **static** **final** String ***FOREST\_GREEN*** = "\033[38;2;62;135;81m"; //FOREST GREEN

**public** **static** **final** String ***BANANA\_YELLOW*** = "\033[38;2;240;238;113m"; //BANANA YELLOW

**public** **static** **final** String ***DARK\_RED*** = "\033[38;2;145;40;16m"; //DARK RED

**public** **static** **final** String ***LIGHT\_PINK*** = "\033[38;2;255;153;240m"; //LIGHT PINK

// StrikeOut

**public** **static** **final** String ***BLACK\_STRIKE*** = "\033[9;30m"; // BLACK

**public** **static** **final** String ***RED\_STRIKE*** = "\033[9;31m"; // RED

**public** **static** **final** String ***GREEN\_STRIKE*** = "\033[9;32m"; // GREEN

**public** **static** **final** String ***YELLOW\_STRIKE*** = "\033[9;33m"; // YELLOW

**public** **static** **final** String ***BLUE\_STRIKE*** = "\033[9;34m"; // BLUE

**public** **static** **final** String ***PURPLE\_STRIKE*** = "\033[9;35m"; // PURPLE

**public** **static** **final** String ***CYAN\_STRIKE*** = "\033[9;36m"; // CYAN

**public** **static** **final** String ***WHITE\_STRIKE*** = "\033[9;37m"; // WHITE

//Italic

**public** **static** **final** String ***BLACK\_ITALIC*** = "\033[3;30m"; // BLACK

**public** **static** **final** String ***RED\_ITALIC*** = "\033[3;31m"; // RED

**public** **static** **final** String ***GREEN\_ITALIC*** = "\033[3;32m"; // GREEN

**public** **static** **final** String ***YELLOW\_ITALIC*** = "\033[3;33m"; // YELLOW

**public** **static** **final** String ***BLUE\_ITALIC*** = "\033[3;34m"; // BLUE

**public** **static** **final** String ***PURPLE\_ITALIC*** = "\033[3;35m"; // PURPLE

**public** **static** **final** String ***CYAN\_ITALIC*** = "\033[3;36m"; // CYAN

**public** **static** **final** String ***WHITE\_ITALIC*** = "\033[3;37m"; // WHITE

// Bold

**public** **static** **final** String ***BLACK\_BOLD*** = "\033[1;30m"; // BLACK

**public** **static** **final** String ***RED\_BOLD*** = "\033[1;31m"; // RED

**public** **static** **final** String ***GREEN\_BOLD*** = "\033[1;32m"; // GREEN

**public** **static** **final** String ***YELLOW\_BOLD*** = "\033[1;33m"; // YELLOW

**public** **static** **final** String ***BLUE\_BOLD*** = "\033[1;34m"; // BLUE

**public** **static** **final** String ***PURPLE\_BOLD*** = "\033[1;35m"; // PURPLE

**public** **static** **final** String ***CYAN\_BOLD*** = "\033[1;36m"; // CYAN

**public** **static** **final** String ***WHITE\_BOLD*** = "\033[1;37m"; // WHITE

// Underline

**public** **static** **final** String ***BLACK\_UNDERLINED*** = "\033[4;30m"; // BLACK

**public** **static** **final** String ***RED\_UNDERLINED*** = "\033[4;31m"; // RED

**public** **static** **final** String ***GREEN\_UNDERLINED*** = "\033[4;32m"; // GREEN

**public** **static** **final** String ***YELLOW\_UNDERLINED*** = "\033[4;33m"; // YELLOW

**public** **static** **final** String ***BLUE\_UNDERLINED*** = "\033[4;34m"; // BLUE

**public** **static** **final** String ***PURPLE\_UNDERLINED*** = "\033[4;35m"; // PURPLE

**public** **static** **final** String ***CYAN\_UNDERLINED*** = "\033[4;36m"; // CYAN

**public** **static** **final** String ***WHITE\_UNDERLINED*** = "\033[4;37m"; // WHITE

// Background

**public** **static** **final** String ***BLACK\_BACKGROUND*** = "\033[40m"; // BLACK

**public** **static** **final** String ***RED\_BACKGROUND*** = "\033[41m"; // RED

**public** **static** **final** String ***GREEN\_BACKGROUND*** = "\033[42m"; // GREEN

**public** **static** **final** String ***YELLOW\_BACKGROUND*** = "\033[43m"; // YELLOW

**public** **static** **final** String ***BLUE\_BACKGROUND*** = "\033[44m"; // BLUE

**public** **static** **final** String ***PURPLE\_BACKGROUND*** = "\033[45m"; // PURPLE

**public** **static** **final** String ***CYAN\_BACKGROUND*** = "\033[46m"; // CYAN

**public** **static** **final** String ***WHITE\_BACKGROUND*** = "\033[47m"; // WHITE

**public** **static** **final** String ***LIGHT\_PURPLE\_BACKGROUND*** = "\033[48;2;200;0;200m"; //LIGHT PURPLE

**public** **static** **final** String ***TEAL\_BACKGROUND*** = "\033[48;2;0;225;221m"; //TEAL

**public** **static** **final** String ***ORANGE\_BACKGROUND*** = "\033[48;2;225;153;0m"; //ORANGE

**public** **static** **final** String ***LIGHT\_GREEN\_BACKGROUND*** = "\033[48;2;136;255;0m"; //LIGHT GREEN

**public** **static** **final** String ***LIGHT\_BLUE\_BACKGROUND*** = "\033[48;2;120;172;255m"; //LIGHT BLUE

**public** **static** **final** String ***DARK\_BLUE\_BACKGROUND*** = "\033[48;2;72;0;255m"; //DARK BLUE

**public** **static** **final** String ***ROSY\_PINK\_BACKGROUND*** = "\033[48;2;255;0;162m"; //ROSY PINK

**public** **static** **final** String ***BROWN\_BACKGROUND*** = "\033[48;2;135;82;62m"; //BROWN

**public** **static** **final** String ***FOREST\_GREEN\_BACKGROUND*** = "\033[48;2;62;135;81m"; //FOREST GREEN

**public** **static** **final** String ***BANANA\_YELLOW\_BACKGROUND*** = "\033[48;2;240;238;113m"; //BANANA YELLOW

**public** **static** **final** String ***DARK\_RED\_BACKGROUND*** = "\033[48;2;145;40;16m"; //DARK RED

**public** **static** **final** String ***LIGHT\_PINK\_BACKGROUND*** = "\033[48;2;255;153;240m"; //LIGHT PINK

// High Intensity

**public** **static** **final** String ***BLACK\_BRIGHT*** = "\033[0;90m"; // BLACK

**public** **static** **final** String ***RED\_BRIGHT*** = "\033[0;91m"; // RED

**public** **static** **final** String ***GREEN\_BRIGHT*** = "\033[0;92m"; // GREEN

**public** **static** **final** String ***YELLOW\_BRIGHT*** = "\033[0;93m"; // YELLOW

**public** **static** **final** String ***BLUE\_BRIGHT*** = "\033[0;94m"; // BLUE

**public** **static** **final** String ***PURPLE\_BRIGHT*** = "\033[0;95m"; // PURPLE

**public** **static** **final** String ***CYAN\_BRIGHT*** = "\033[0;96m"; // CYAN

**public** **static** **final** String ***WHITE\_BRIGHT*** = "\033[0;97m"; // WHITE

// Bold High Intensity

**public** **static** **final** String ***BLACK\_BOLD\_BRIGHT*** = "\033[1;90m"; // BLACK

**public** **static** **final** String ***RED\_BOLD\_BRIGHT*** = "\033[1;91m"; // RED

**public** **static** **final** String ***GREEN\_BOLD\_BRIGHT*** = "\033[1;92m"; // GREEN

**public** **static** **final** String ***YELLOW\_BOLD\_BRIGHT*** = "\033[1;93m";// YELLOW

**public** **static** **final** String ***BLUE\_BOLD\_BRIGHT*** = "\033[1;94m"; // BLUE

**public** **static** **final** String ***PURPLE\_BOLD\_BRIGHT*** = "\033[1;95m";// PURPLE

**public** **static** **final** String ***CYAN\_BOLD\_BRIGHT*** = "\033[1;96m"; // CYAN

**public** **static** **final** String ***WHITE\_BOLD\_BRIGHT*** = "\033[1;97m"; // WHITE

// High Intensity backgrounds

**public** **static** **final** String ***BLACK\_BACKGROUND\_BRIGHT*** = "\033[0;100m";// BLACK

**public** **static** **final** String ***RED\_BACKGROUND\_BRIGHT*** = "\033[0;101m";// RED

**public** **static** **final** String ***GREEN\_BACKGROUND\_BRIGHT*** = "\033[0;102m";// GREEN

**public** **static** **final** String ***YELLOW\_BACKGROUND\_BRIGHT*** = "\033[0;103m";// YELLOW

**public** **static** **final** String ***BLUE\_BACKGROUND\_BRIGHT*** = "\033[0;104m";// BLUE

**public** **static** **final** String ***PURPLE\_BACKGROUND\_BRIGHT*** = "\033[0;105m"; // PURPLE

**public** **static** **final** String ***CYAN\_BACKGROUND\_BRIGHT*** = "\033[0;106m"; // CYAN

**public** **static** **final** String ***WHITE\_BACKGROUND\_BRIGHT*** = "\033[0;107m"; // WHITE

}

**Before class:**

**public** **static** **final** String ***ANSI\_RESET*** = "\u001B[0m";

System.***out***.println(ConsoleColors.***LIGHT\_GREEN\_BACKGROUND***+"You are successfully logged in"+***ANSI\_RESET***);

**Db connection**

eclipse -->help -> install new Software

paste the below url (change the eclipse version[/2021-06/ mine])

https://download.eclipse.org/releases/20210312-0638

select database development checkbox --> next -->finish --- restart eclipse

now oracle database is configured with eclipse.

//ojdbc14.jar supports oracle10G

open eclipse -->window-->perspective ->open perspective->other->Database development

Data source Explorer will appear Left side --> Right click database connection ->new -> select oracle

Oracle thin driver - oracle 11

JAR list - C:\oraclexe\app\oracle\product\10.2.0\server\jdbc\lib\ojdbc14.jar (change to this)

service name from db to xe (optional)

change host from server to localhost

username - system

password -enter the already created password

click test connection --- ping succeded pop up will appear

click finish///(new connection profile)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

create sample table in browser oracle DB

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

create table emp(ename varchar(20);

insert into emp values('name');

Sample code to access the DB table values.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

package com.ekart;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

public class Ekart

{

public static void main(String[] args) throws ClassNotFoundException

{

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

try {

// DriverManager.registerDriver(new OracleDriver()); //creating oracle driver

//"oracle:thin" - oracle 11 driver, "xe"- db name, "1521" - port no,"system" - username, "blank"- password

Connection connect= DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","blank");

String sql= ("select \* from emp"); //query

Statement stmt=connect.createStatement(); // create statement (Sending SQL statement to oracle DB)

ResultSet rs=stmt.executeQuery(sql);

while(rs.next())

System.out.println(rs.getString(1)); //1 is the index of the database coloumn

connect.close();

}

catch (Exception e)

{

e.printStackTrace();

}

}

}