**Page object Model(POM) :**

In normal java programing constructor are mainly used to initialize data member

or variable

public class Test{

int a ; // variable declaration

Test()

{

a=20; //initialization

}

public void test1()

{

s.o.p(a); //use

}

}

---------------------------------------------------

main class-test class

Regular class-POM class

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Concepts use

1)Encapsulation

2)Annotation

1)Encapsulation:

Whenever in oops ,we have to make any data member of class usable for only that class ,that time

we declare it as private,this is known as Encapsulation .

OR

Encapsulation is the Wrapping of the data .

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2)Annotation

Annotation contains some code whenever we use annotation, then at time of exicution that

code is get exicuted.

@findBy(xpath="xpathExpression")

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POM Class

1)POM class1

Example:

package pom\_class;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

public class PomDemo1 {

@FindBy(xpath="//input[@name='q']")

private WebElement SEARCH;

public PomDemo1(WebDriver driver)

{

PageFactory.initElements(driver,this) ;

}

public void search() {

SEARCH.sendKeys("Selenium");

}

}

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2)POM class2

Example:

package pom\_class;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

public class PomDemo2 {

@FindBy(xpath="//a[@class='gb\_f'][1]") private WebElement GMAIL;

public PomDemo2(WebDriver driver)

{

PageFactory.initElements(driver,this) ;

}

public void gmail() {

GMAIL.click();

}

}

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3.Main Class:

package pom\_class;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class TestClass {

public static void main(String[] args) throws InterruptedException {

System.setProperty("webdriver.chrome.driver", "E:/Soft/chromedriver.exe");

WebDriver driver=new ChromeDriver();

driver.get("https://www.google.co.in/");

driver.manage().window().maximize();

Thread.sleep(2000);

PomDemo1 pom = new PomDemo1(driver);

pom.search();

Thread.sleep(2000);

PomDemo2 pom1 = new PomDemo2(driver);

pom1.gmail();

}

}

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