**Set 3**

**Question 1:**

public class Solution1 extends TestBase {

@BeforeMethod

@Parameters({ "browser" })

public void launchApplication(String browser) throws Throwable {

init(browser, "https://exammay2020.agiletestingalliance.org/");

waitForElementToVisible(d.findElement(By.className("eicon-close")));

d.findElement(By.className("eicon-close")).click();

checkPageReady();

}

@Test

public void venueTest() throws InterruptedException {

d.findElement(By.xpath("//div[@id='primary-menu']//ul//li//a[text()='Venue'][1]")).click();

checkPageReady();

WebElement mailFromBody = d.findElement(By.xpath("//span[contains(text(),'EMAIL US')]//parent::h3//following-sibling::p//a"));

String email\_Body = mailFromBody.getText().trim();

WebElement phoneFromBody = d.findElement(By.xpath("//span[contains(text(),'CALL US')]//parent::h3//following-sibling::p//a"));

String phone\_Body = phoneFromBody.getText().trim();

System.out.println("Email :" + email\_Body + "Phone Number : " + phone\_Body);

String temp = phone\_Body.replace("+91-", "").trim();

long phoneDigits = Long.parseLong(temp);

System.out.println("Phone Number after converting into Integer " + phoneDigits);

WebElement footer = d.findElement(By.xpath("//div[@class='inside-footer-widgets']"));

scrollIntoView(footer);

WebElement foo\_phone = d.findElement(By.xpath("(//div[@class='info\_area']//p)[1]"));

long foo\_PhoneDigits = Long.parseLong(foo\_phone.getText().replace("+91 ", ""));

assertEquals(phoneDigits, foo\_PhoneDigits);

WebElement foo\_email = d.findElement(By.xpath("(//div[@class='info\_area']//p)[2]"));

String foo\_eamilString = foo\_email.getText().trim();

assertEquals(foo\_eamilString, email\_Body);

List<WebElement> socialLinks = d.findElements(By.xpath("//div[@class='social\_icon']//a"));

String parentWindow = d.getWindowHandle();

for (WebElement sicon : socialLinks) {

System.out.println(sicon.getAttribute("href"));

sicon.click();

Set<String> childwindow = d.getWindowHandles();

Iterator<String> winItr = childwindow.iterator();

while (winItr.hasNext()) {

String chid = winItr.next();

if (!chid.equals(parentWindow)) {

d.switchTo().window(chid);

checkPageReady();

System.out.println("Page Title is: " + d.getTitle());

d.close();

}

d.switchTo().window(parentWindow);

}

}

**Question 2:**

public class Solution2 extends TestBase {

int counter=0;

@BeforeMethod

@Parameters({ "browser" })

public void beforeMethod(String browser) throws Throwable {

init(browser, "https://exammay2020.agiletestingalliance.org/");

waitForElementToVisible(d.findElement(By.xpath("//\*[@class='eicon-close']")));

d.findElement(By.xpath("//\*[@class='eicon-close']")).click();

checkPageReady();

}

@Test(dataProvider = "datapro")

public void f(String FullName, String Email, String PhoneNumber, String Remarks) throws Throwable {

WebElement ele= d.findElement(By.xpath("//nav[@id='site-navigation']//a[contains(text(),'Forms')]"));

mouseover(d, ele);

int error=0;

jsClick(d.findElement(By.xpath("//nav[@id='site-navigation']//a[contains(text(),'Form 1')]")));

takeScreenShot(d, "Forms1");

d.findElement(By.xpath("//input[@placeholder='Full Name']")).sendKeys(FullName);

d.findElement(By.xpath("//input[@placeholder='Email']")).sendKeys(Email);

d.findElement(By.xpath("//input[@placeholder='Mobile Number']")).sendKeys(PhoneNumber);

d.findElement(By.xpath("//textarea[@placeholder='Comment or Message']")).sendKeys(Remarks);

d.findElement(By.xpath("//button[@type='submit']")).click();

counter++;

List<WebElement> errors=d.findElements(By.xpath("//label[contains(@id,'error')]"));

setData(Constants.pathForWritingData, "Sheet1", counter, 0, FullName);

setData(Constants.pathForWritingData, "Sheet1", counter, 1, Email);

setData(Constants.pathForWritingData, "Sheet1", counter, 2, PhoneNumber);

setData(Constants.pathForWritingData, "Sheet1", counter, 3, Remarks);

if(errors.size()>0) {

setData(Constants.pathForWritingData, "Sheet1", counter, 4, "Fail");

}

else {

setData(Constants.pathForWritingData, "Sheet1", counter, 4, "PASS");

}

}

@DataProvider

public Object[][] datapro() throws Exception {

Object[][] data = readData(Constants.TestDataExcel\_PATH, "Sheet1");

return data;

}

@AfterMethod

public void afterMethod() {

d.quit();

}

}

**Question 3:**

public class Solution3 extends TestBase {

@Before

public void bfr() throws InterruptedException {

init("Chrome", "https://exammay2020.agiletestingalliance.org/");

checkPageReady();

}

@Test

public void test() throws Throwable {

d.findElement(By.xpath("//i[@class='eicon-close']")).click();

mouseover(d, d.findElement(By.xpath("//ul[@id='menu-main-1']/li[3]/a")));

d.findElement(By.xpath("//ul[@id='menu-main-1']//li[3]/ul/li[2]/a")).click();

PageObjectClass obj=new PageObjectClass(d);

System.out.println(obj.GetPageTitle());

obj.getSpeakerDetails("masa K MAeda");

obj.getSpeakerDetails("Khimanad Upreti");

obj.getSpeakerDetails("Omar Fernandez");

}

}

**POM**

public class PageObjectClass extends TestBase{

WebDriver d;

public PageObjectClass(WebDriver d) {

this.d=d;

}

By SpeakerNames=By.xpath("//table[@data-id='66af78a']//tr/td[2]");

By SpeakerTopic=By.xpath("//table[@data-id='66af78a']//tr/td[3]");

By SpeakerStory=By.xpath("//table[@data-id='66af78a']//tr/td[4]/a");

By SpeakerInterview=By.xpath("//table[@data-id='66af78a']//tr/td[5]/a");

public void getSpeakerDetails(String speakerName)

{

int counter=1;

String speakTopic="";

String SpeakStory="";

String Interview="";

List<WebElement> spkNames=d.findElements(SpeakerNames);

int videosize=0;

String videoInterview="";

for(WebElement name:spkNames) {

if(name.getText().equalsIgnoreCase(speakerName))

{

speakTopic=d.findElements(SpeakerTopic).get(counter-1).getText();

SpeakStory=d.findElements(SpeakerStory).get(counter-1).getAttribute("href");

videosize=d.findElements(By.xpath("//table[@data-id='66af78a']//tr['+counter+']/td[5]/a")).size();

}

if(videosize!=0)

{

videoInterview=d.findElement(By.xpath("//table[@data-id='66af78a']//tr['+counter+']/td[5]/a")).getAttribute("href");

}

counter++;

}

if (speakTopic=="") {

System.out.println("Speaker not present");

} else {

System.out.println("Speak Topic: " +speakTopic+" | Speak Story: "+SpeakStory+" | Interview :"+ videoInterview);

}

}

public String GetPageTitle()

{

return d.getTitle();

}

}

**Question 4:**

public class testNG\_Q5 extends TestBase{

@BeforeMethod

public void before() throws InterruptedException {

init("Chrome","https://exammay2020.agiletestingalliance.org/news/");

checkPageReady();

}

@Test

public void test() throws Exception {

int size = Integer.parseInt(d.findElement(By.xpath("//a[@class='page-numbers next']/preceding-sibling::a[1]")).getText());

List<WebElement> hyperlinks = d.findElements(By.xpath("//a[@class='elementor-post\_\_thumbnail\_\_link']"));

for (int i=1; i<hyperlinks.size();i++) {

System.out.println(hyperlinks.get(i-1).getAttribute("href"));

}

for(int j=1; j<size;j++){

jsClick(d.findElement(By.xpath("//a[text()='Next »']")));

hyperlinks = d.findElements(By.xpath("//a[@class='elementor-post\_\_thumbnail\_\_link']"));

for (int i=1; i<hyperlinks.size();i++) {

System.out.println(hyperlinks.get(i-1).getAttribute("href"));

}

}

jsClick(d.findElement(By.xpath("(//ul[@id='menu-main-1']/li/a[text()='Registration'])[1]")));

String button = d.findElement(By.xpath("(//button[text()='Sold Out'])[1]")).getAttribute("class");

if(button.contains("disabled")) {

System.out.println("button 1 is not clickable");

}

button = d.findElement(By.xpath("(//button[text()='Sold Out'])[2]")).getAttribute("class");

if(button.contains("disabled")) {

System.out.println("button 2 is not clickable");

}

jsClick(d.findElement(By.xpath("(//button[text()='Register Now'])[1]")));

d.switchTo().frame(d.findElement(By.xpath("//iframe[@id='tsiframe']")));

int n = d.findElements(By.xpath("//div[@class='pill\_\_item\_\_text ng-binding']")).size();

String a,b,c;

System.out.println(n);

for (int i=1;i<=n;i++) {

a = d.findElement(By.xpath("(//div[@class='pill\_\_item\_\_text ng-binding'])["+i+"]")).getText();

b = d.findElement(By.xpath("(//div[@class='pill\_\_item\_\_count--large-2']/span[@class='ng-binding'])["+i+"]")).getText();

c = d.findElement(By.xpath("(//div[@class='pill\_\_item\_\_info fixed ng-binding text-danger'])["+i+"]")).getText();

System.out.println(a + "|" + b + "|" + c);

}

}