**Broken Links – Program to find broken links**

**package** com.brokenlinks;

**import** java.io.IOException;

**import** java.net.HttpURLConnection;

**import** java.net.MalformedURLException;

**import** java.net.URL;

**import** java.util.Iterator;

**import** java.util.List;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** com.github.dockerjava.api.model.Link;

**import** io.github.bonigarcia.wdm.WebDriverManager;

**public** **class** BrokenLinks2 {

**private** **static** **int** *respCode*;

**public** **static** **void** main(String[] args) {

WebDriverManager.*chromedriver*().setup();

WebDriver driver = **new** ChromeDriver();// Initialize the WebDriver

driver.manage().window().maximize();// Maximize the screen

driver.manage().deleteAllCookies();

String home = "http://www.webkul.com";

String url = "";

HttpURLConnection huc = **null**;

**int** respcode = 200;

driver.get(home);

List<WebElement> Link = driver.findElements(By.*tagName*("a"));

System.***out***.println("Total no of links are " + Link.size());

Iterator<WebElement> it = Link.iterator();

**while**(it.hasNext()) {

url = it.next().getAttribute("href");

System.***out***.println(url);

**if**(url==**null** || url.isEmpty()) {

System.***out***.println("URL is either not configured for anchor tag or it is empty");

**continue**;

}

**if**(!url.startsWith(home)) {

System.***out***.println("URL belongs to another domain,skipping it");

**continue**;

}

**try** {

huc = (HttpURLConnection)(**new** ~~URL~~(url).openConnection());

huc.setRequestMethod("Head");

huc.connect();

*respCode* = huc.getResponseCode();

**if** (*respCode* >=400) {

System.***out***.println(url+ "is a broken Link");

}

**else** {

System.***out***.println(url+ "is a valid link");

}

} **catch** (MalformedURLException e) {

e.printStackTrace();

} **catch** (IOException e) {

e.printStackTrace();

}

}

}

}