**PROGRAM TO LIST BROKEN LINKS**

**CODE:**

**package** july24;

**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;

**public** **class** BrokenLines {

**private** **static** WebDriver *driver* = **null**;

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

// **TODO** Auto-generated method stub

String homePage = "http://www.techfetch.com/";

String url = "";

HttpURLConnection huc = **null**;

**int** respCode = 200;

System.*setProperty*("webdriver.chrome.driver","C:\\Program Files\\Java\\jdk1.8.0\_131\\chromedriver.exe");

WebDriver driver= **new** ChromeDriver();

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

driver.get(homePage);

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

Iterator<WebElement> it = links.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(homePage)){

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) {

// **TODO** Auto-generated catch block

e.printStackTrace();

} **catch** (IOException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

}

driver.quit();

}

}