When we click some links,we get some 404 error or 500 error ,so we need to identify these broken links using selenium.

How to check the no.of broken links in the page?

So,any link has <a> tag

And any image has <img> tag

And both has a property called href in it.

Steps:

1.collect all the links and images of that page together in a list .

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

//lst.addall() method adds all the elements with img tag in the same list .

lst.addAll(driver.findElements(By.*tagName*("img")));

2.now,we need not test any limk that does not have href property in it.

3.so we need to get all links with href property in a separate list

List<WebElement> activelinks= **new** ArrayList<WebElement>();

**for**(**int** i=0;i<lst.size();i++)

{

**if**(lst.get(i).getAttribute("href")!=**null**)

{

activelinks.add(lst.get(i));

}

}

4. check href url with http connection API

**for** (**int** j=0;j<activelinks.size();j++)

{

//import URL and HttpURLConnection to java.net

HttpURLConnection connection = (HttpURLConnection)**new** URL( activelinks.get(j).getAttribute("href")).openConnection();

connection.connect();

String responsemsg= connection.getResponseMessage();

connection.disconnect();

System.***out***.println(activelinks.get(j).getAttribute("href")+"---->"+responsemsg);

}

5.Sometimes few hrefs are created using javascript and we have to exclude those hrefs,otherwise we may get some exception.and it can be done by

**if**(lst.get(i).getAttribute("href")!=**null** && ( ! lst.get(i).getAttribute("href").contains("javascript")))

with this,we can find out broken links or images with error code displayed.