Unit 5 LAB

* **URL Connection**

package unit5;

import java.io.\*;

import java.net.\*;

public class Exampleone {

public static void main(String[] args) {

try {

URL u = new URL("https://samriddi.edu.np");

URLConnection uc = u.openConnection();

System.out.println("content : "+uc.getDate());

}

catch (MalformedURLException ex){

System.err.println("it is not a parseable url");

}

catch (IOException ex){

System.err.println(ex);

}

}

}

**Get HeaderField**

package unit5;

import java.net.\*;

import java.io.\*;

public class entirehhtpheader {

public static void main(String[] args) {

try{

URL u = new URL("https://www.samriddi.edu.np/");

URLConnection uc = u.openConnection();

int i=1;

while (uc.getHeaderField(i)!=null){

System.out.println(uc.getHeaderFieldKey(i)+":"+uc.getHeaderField(i));

i++;

}

}catch (MalformedURLException ex){

System.err.println("It is not a valid url.");

}catch (IOException ex){

System.err.println(ex);

}

System.out.println();

}

}

**URL buffer Reader**

package unit5;

import java.io.\*;

import java.net.\*;

public class exampletwo {

public static void main(String[] args) {

try {

URL u = new URL("https://www.samriddi.edu.np/");

URLConnection uc = u.openConnection();

BufferedReader in\_data = new BufferedReader(new InputStreamReader(uc.getInputStream()));

String entry;

while ((entry=in\_data.readLine())!=null){

System.out.println(entry);

}

}catch (MalformedURLException ex){

System.err.println("It is not a parseable Url");

}

catch (IOException ex){

System.err.println(ex);

}

}

}

Print all Response

package unit5;

import java.io.\*;

import java.net.\*;

public class printallresponse {

public static void main(String[] args) {

try {

URL u = new URL("https://eventsolutionnepal.com.np/");

HttpURLConnection uc = (HttpURLConnection) u.openConnection();

int code = uc.getResponseCode();//200

String response = uc.getResponseMessage();//OK

System.out.println("HTTP/1.x " + code + " " + response);

int i=1;

while(uc.getHeaderField(i)!=null) {//value check in key:value pair

System.out.println(uc.getHeaderFieldKey(i)+":"+uc.getHeaderField(i));

i++;

}

System.out.println();

BufferedReader in\_data = new BufferedReader(new InputStreamReader(uc.getInputStream()));

String entry;

while((entry=in\_data.readLine())!=null) {

System.out.println(entry);

}} catch (MalformedURLException ex) {

System.err.println("It is not a parseable URL");

} catch (IOException ex) {

System.err.println(ex);}}}

Protected URL

package unit5;

import java.io.\*;

import java.net.\*;

public class protectedurl {

public static void main(String[] args) {

try {

URL u = new URL("https://www.oreilly.com/");

URLConnection uc = u.openConnection();

System.out.println(uc.getURL());

}catch (IOException ex){

System.err.println(ex);

}

}

}

URL Properties

package unit5;

import java.net.\*;

import java.util.Date;

import java.io.\*;

public class three {

public static void main(String[] args) {

try {

URL u = new URL("https://www.samriddi.edu.np/");

URLConnection uc = u.openConnection();

System.out.println("Content-type : "+uc.getContentType());

if (uc.getContentEncoding() != null){

System.out.println("content-encoding : "+ uc.getContentEncoding());

}

if (uc.getDate() != -1) {

System.out.println("Date: " + new Date(uc.getDate()));}

if (uc.getLastModified() != -1) {

System.out.println("Last modified: "+ new Date(uc.getLastModified()));}

if (uc.getExpiration() != -1) {

System.out.println("Expiration date: "+ new Date(uc.getExpiration()));}

if (uc.getContentLength() != -1) {

System.out.println("Content-length: " + uc.getContentLength());}

} catch (MalformedURLException ex) {

System.err.println("It is not a valid URL.");

} catch (IOException ex) {

System.err.println(ex);}

System.out.println();

}

}