**Assignment:-12**

**Q.12 Create an application that parse XML File?**

**Ans :- The Code for the above Program**

**MainActivity.java**

package com.example.rakes.parse;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.TextView;

import android.widget.Toast;

import java.io.InputStream;

import javax.xml.parsers.DocumentBuilder;

import javax.xml.parsers.DocumentBuilderFactory;

import org.w3c.dom.Document;

import org.w3c.dom.Element;

import org.w3c.dom.Node;

import org.w3c.dom.NodeList;

public class MainActivity extends AppCompatActivity {

TextView tv1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

tv1 = (TextView)findViewById(R.id.*textView1*);

try {

InputStream is = getAssets().open("File.Xml");

DocumentBuilderFactory dbFactory = DocumentBuilderFactory.*newInstance*();

DocumentBuilder dBuilder = dbFactory.newDocumentBuilder();

Document doc = dBuilder.parse(is);

Element element=doc.getDocumentElement();

element.normalize();

NodeList nList = doc.getElementsByTagName("employee");

for (int i=0; i<nList.getLength(); i++) {

Node node = nList.item(i);

if (node.getNodeType() == Node.*ELEMENT\_NODE*) {

Element element2 = (Element) node;

tv1.setText(tv1.getText()+"\nName : " + *getValue*("name", element2)+"\n");

tv1.setText(tv1.getText()+"Salary : " + *getValue*("salary", element2)+"\n");

tv1.setText(tv1.getText()+"-----------------------");

}

}*//end of for loop*

} catch (Exception e)

{

e.printStackTrace();

Toast.*makeText*(getApplicationContext(),e.toString(),2000).show();

}*//catch*

}*//onCreate*

private static String getValue(String tag, Element element) {

NodeList nodeList = element.getElementsByTagName(tag).item(0).getChildNodes();

Node node = (Node) nodeList.item(0);

return node.getNodeValue();

}

}*//Class*

**File.xml**

*<?*xml version="1.0"*?>*

<records>

<employee>

<name>Hiren</name>

<salary>55000</salary>

</employee>

<employee>

<name>Niren</name>

<salary>60000</salary>

</employee>

</records>

**OutPut:-**

