**2. Broad Cast Receiver:**

Activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context="com.example.nihal.assignment2\_broadcast.MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textStyle="bold"

android:layout\_marginTop="50dp"

android:layout\_centerHorizontal="true"

android:text="Check Mobile Data is Connected Or Not" />

</RelativeLayout>

**MainActivity.java**

package com.example.nihal.assignment2\_broadcast;

import android.app.AlertDialog;

import android.content.Context;

import android.content.DialogInterface;

import android.content.Intent;

import android.net.ConnectivityManager;

import android.net.NetworkInfo;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

String info,info1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

WifiCheck();

}

public void WifiCheck(){

boolean a= isOnline();

System.out.println("is online--->" + a);

if (isOnline()==true) {

ConnectivityManager cm=(ConnectivityManager)getSystemService(CONNECTIVITY\_SERVICE);

final NetworkInfo mobileinfo=cm.getNetworkInfo(ConnectivityManager.TYPE\_MOBILE);

info= mobileinfo.getState().toString();

info1= mobileinfo.getReason().toString();

Toast.makeText(MainActivity.this, "Mobile Data Is On", Toast.LENGTH\_LONG).show();

AlertDialog.Builder builder = new AlertDialog.Builder(MainActivity.this);

builder.setCancelable(false);

builder.setTitle("Data Information");

builder.setMessage("Turn On Or Off Data And Click On Reload!!");

builder.setPositiveButton("Reload", new DialogInterface.OnClickListener() {

public void onClick(DialogInterface dialog, int which) {

startActivity(new Intent(getApplicationContext(), MainActivity.class));

/\* boolean isconnected=mobileinfo.getState()==NetworkInfo.State.CONNECTED;

Toast.makeText(MainActivity.this, "state:"+info+" reason:"+isconnected, Toast.LENGTH\_LONG).show();\*/

/\* Welcome.this.startActivity(new Intent(Settings.ACTION\_SETTINGS));

System.exit(0);\*/

}

});

/\* builder.setNegativeButton("cancel", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialog, int which) {

// Do nothing

dialog.dismiss();

// System.exit(0);

}

});\*/

AlertDialog alert = builder.create();

alert.show();

// new AsyncTaskRunner().execute("");

/\*try {

// Login();

LoginCall();

} catch (IOException e) {

e.printStackTrace();

}\*/

}else {

AlertDialog.Builder builder = new AlertDialog.Builder(MainActivity.this);

builder.setCancelable(false);

builder.setTitle("Information");

builder.setMessage("Internet Not Availaible,Please Turn On Data And Click On Reload");

builder.setPositiveButton("Reload", new DialogInterface.OnClickListener() {

public void onClick(DialogInterface dialog, int which) {

startActivity(new Intent(getApplicationContext(), MainActivity.class));

/\* Welcome.this.startActivity(new Intent(Settings.ACTION\_SETTINGS));

System.exit(0);\*/

}

});

/\* builder.setNegativeButton("cancel", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialog, int which) {

// Do nothing

dialog.dismiss();

// System.exit(0);

}

});\*/

AlertDialog alert = builder.create();

alert.show();

}

}

public boolean isOnline() {

boolean bool=false;

ConnectivityManager conMgr = (ConnectivityManager) getApplicationContext().getSystemService(Context.CONNECTIVITY\_SERVICE);

NetworkInfo netInfo = conMgr.getActiveNetworkInfo();

if(netInfo == null || !netInfo.isConnected() || !netInfo.isAvailable()){

// Toast.makeText(getApplicationContext(), "No Internet connection!", Toast.LENGTH\_LONG).show();

bool= false;

}else{

bool=true;

}

return bool;

}

}