

QUE 1. Write a program to start a Wi-Fi using service.

ActivityMain.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center">
    <Button android:id="@+id/b1"
        android:layout_width="200dp" android:layout_height="91dp"
        android:text="Start WIFI Service" />
</LinearLayout>
```

MainActivity.java

```
package com.example.pr20q1;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Context;
import android.net.wifi.WifiManager;
import android.os.Bundle;
import android.view.*;
import android.widget.Button;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity{
    Button b1;
    public void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=findViewById(R.id.b1);
        b1.setOnClickListener(new View.OnClickListener(){
            public void onClick(View view)
            {
                WifiManager wifimanager=(WifiManager)getSystemService(Context.WIFI_SERVICE);
                wifimanager.setWifiEnabled(true);
                Toast.makeText(MainActivity.this, "Wifi is turned on", Toast.LENGTH_LONG).show();
            }
        });
    }
}
```

Manifest.java

```
<uses-permission android:name="android.permission.READ_CONTACTS"/>
<uses-permission android:name="android.permission.WRITE_CONTACTS"/>
<uses-permission android:name="android.permission.ACCESS_WIFI_STATE"/>
<uses-permission android:name="android.permission.CHANGE_WIFI_STATE"/>
```

QUE2. Write a program to display the following output.

ActivityMain.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" tools:context=".MainActivity">
    <Button android:id="@+id/btnStart"
        android:layout_width="match_parent" android:layout_height="wrap_content"
        android:text="Start Service" android:onClick="start"/>
    <Button android:id="@+id/btnStop"
        android:layout_width="match_parent" android:layout_height="wrap_content"
        android:text="Stop Service" android:layout_below="@+id/btnStart"
        android:onClick="stop"/>
</RelativeLayout>
```

MainActivity.java

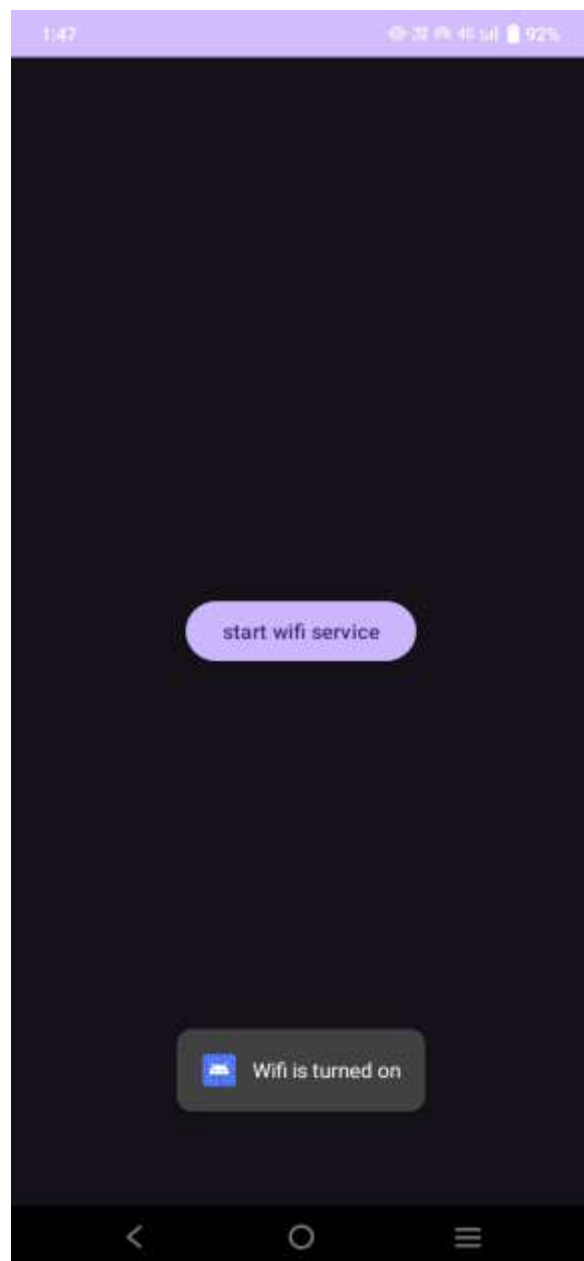
```
package com.example.pr20q2;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    public void start(View view) {
        startService(new Intent(getApplicationContext(), MyService1.class));
    }
    public void stop(View view) {
        stopService(new Intent(getApplicationContext(), MyService1.class));
    }
}
```

MyService1.java

```
package com.example.pr20q2;
import android.app.Service;
import android.content.Intent;
import android.os.IBinder;
import android.widget.Toast;
public class MyService1 extends Service {
    Toast t;
    public MyService1() {
    }
    public IBinder onBind(Intent intent) {
        throw new UnsupportedOperationException("Not yet implemented");
    }
}
```

```
public void onCreate(){}  
public void onStart(Intent i, int Startid){  
    t = Toast.makeText(getApplicationContext(),"Service is Started",Toast.LENGTH_SHORT);  
    t.show();  
}  
public void onDestroy(){  
    t = Toast.makeText(getApplicationContext(),"Service is Stopped",Toast.LENGTH_SHORT);  
    t.show();  
}  
}
```

QUE 1 : Output



Que 2 Output

