Design an application that contains phone contacts in vertical linear manner. Selected contacts appear at the top of the list with large italicized font and a blue background.

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.contactslist1">
    <uses-permission
android:name="android.permission.READ_CONTACTS"></uses-permission>
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

MainActivity.java

```java
package com.example.contactslist1;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.core.content.ContextCompat;
import android.Manifest;
import android.content.ContentResolver;
```

```java
import android.content.pm.PackageManager;
import android.database.Cursor;
import android.graphics.Color;
import android.graphics.Typeface;
import android.os.Bundle;
import android.os.Handler;
import android.provider.ContactsContract;
import android.view.View;
import android.widget.AbsListView;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.TextView;
import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {
    ListView listView;
    ArrayList<String> contactList;
    String name, number;
    final private int REQUEST_CODE = 1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        if (ContextCompat.checkSelfPermission(MainActivity.this,
Manifest.permission.READ_CONTACTS) !=
PackageManager.PERMISSION_GRANTED) {
            ActivityCompat.requestPermissions(MainActivity.this,  new
```

```java
                                        String[]{Manifest.permission.READ_CONTACTS}, REQUEST_CODE);
        }
        listView = (ListView) findViewById(R.id.list);
        contactList = new ArrayList<String>();
        getContactsList();
        ArrayAdapter<String> arrayAdapter = new
ArrayAdapter<String>(MainActivity.this, R.layout.list, contactList);
        listView.setAdapter(arrayAdapter);
        listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> adapterView, View view, int i,
long l) {

                int offset = 0;
                int duration = 500;
                final TextView tv = (TextView) view.findViewById(R.id.listText);
                listView.smoothScrollToPositionFromTop(i, offset, duration);

                Handler handler = new Handler();
                handler.postDelayed(new Runnable() {
                    @Override
                    public void run() {
                        tv.setTextSize(30);
                        tv.setBackgroundColor(Color.parseColor("#a4e9f9"));
                        tv.setTypeface(null, Typeface.ITALIC);
                    }
                }, 500);

            }
        });
        listView.setOnScrollListener(new AbsListView.OnScrollListener() {
            @Override
            public void onScrollStateChanged(AbsListView absListView, int i) {
                TextView tv = (TextView) absListView.findViewById(R.id.listText);
                tv.setTextSize(22);
                tv.setBackgroundColor(Color.parseColor("#ffffff"));
```

```java
                tv.setTypeface(null, Typeface.NORMAL);
            }


            @Override
            public void onScroll(AbsListView absListView, int i, int i1, int i2) {



            }
        });
    }


    public void getContactsList() {
        ContentResolver cr = getContentResolver();
        Cursor cur =
cr.query(ContactsContract.CommonDataKinds.Phone.CONTENT_URI, null, null,
null, null);
        while (cur.moveToNext()) {
            name =
cur.getString(cur.getColumnIndex(ContactsContract.CommonDataKinds.Phone.D
ISPLAY_NAME));
            number =
cur.getString(cur.getColumnIndex(ContactsContract.CommonDataKinds.Phone.N
UMBER));
            contactList.add(name + " : " + number);
        }
        cur.close();
    }
}
```

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:orientation="vertical" tools:context=".MainActivity">
    <ListView
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:id="@+id/list"
        android:background="#ffffff"
        android:clickable="true">
    </ListView>

</LinearLayout>
<?xml version="1.0" encoding="utf-8"?>
<TextView android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:textColor="#000000"
android:background="#ffffff"
android:textSize="22sp"
android:id="@+id/listText"
android:padding="10dp"
xmlns:android="http://schemas.android.com/apk/res/android" />
```

list.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<TextView android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:textColor="#000000"
android:background="#ffffff"
android:textSize="22sp"
android:id="@+id/listText"
 android:padding="10dp"
xmlns:android="http://schemas.android.com/apk/res/a ndroid"
/>
```