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<?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="wrap_content"
    android:orientation="vertical"
    tools:context=".MainActivity" >

    <Button
        android:id="@+id/button1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="전화걸기" />

    <Button
        android:id="@+id/button2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="네이버 페이지" />

    <Button
        android:id="@+id/button3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="구글맵" />

    <Button
        android:id="@+id/button4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="검색" />

    <Button
        android:id="@+id/button5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="문자" />

    <Button
        android:id="@+id/button6"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="갤러리" />

    <Button
        android:id="@+id/button7"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="카메라" />

    <Button
        android:id="@+id/button8"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="주소록" />

    <Button
        android:id="@+id/button9"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="통화목록" />
</LinearLayout>

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// 암시적(묵시적)Intent는 약속된 액션을 지정하여 안드로이드에서 제공하는
// 기존 응용 프로그램을 실행
// 앱 사용 허가 받아야 됨

public class MainActivity extends AppCompatActivity {
Button button1, button2, button3, button4, button5, button6, button7, button8,button9;

@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
button1 = findViewById(R.id.button1);
button2 = findViewById(R.id.button2);
button3 = findViewById(R.id.button3);
button4 = findViewById(R.id.button4);
button5 = findViewById(R.id.button5);
button6 = findViewById(R.id.button6);
button7 = findViewById(R.id.button7);
button8 = findViewById(R.id.button8);
button9 = findViewById(R.id.button9);

// 전화걸기
button1.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
/*
Intent intent = new Intent(Intent.ACTION_DIAL);
intent.setData(Uri.parse("tel:01097329110"));
if (intent.resolveActivity(getApplicationContext()) != null) {
startActivity(intent);
}
*/
// 앱 정보에서 강제로 권한을 줘야 됨
Intent intent = new Intent(Intent.ACTION_CALL);
intent.setData(Uri.parse("tel:01097329110"));
if (intent.resolveActivity(getApplicationContext()) != null) {
if(checkSelfPermission(Manifest.permission.CALL_PHONE) != PackageManager.PERMISSION_GRANTED){
return;
}
startActivity(intent);
}
});
// 웹 사이트
button2.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
Uri webpage = Uri.parse("https://m.naver.com");
Intent intent = new Intent(Intent.ACTION_VIEW, webpage);
if (intent.resolveActivity(getApplicationContext()) != null) {
startActivity(intent);
}
});
// 구글 맵 호출
button3.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
Intent intent = new Intent(Intent.ACTION_VIEW);
/*Intent.setData(Uri.parse("geo:37.5022,127.0245?z=19"));*/
// 마커표시
intent.setData(Uri.parse("geo:0.0?q=37.5022,127.0245&z=19"));
if (intent.resolveActivity(getApplicationContext()) != null) {
startActivity(intent);
}
});
// 웹 검색
button4.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
Intent intent = new Intent(Intent.ACTION_WEB_SEARCH);
intent.putExtra(SearchManager.QUERY, "강남역 맛집");
if (intent.resolveActivity(getApplicationContext()) != null) {
startActivity(intent);
}
});
// 문자 보내기
button5.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
Intent intent = new Intent(Intent.ACTION_SENDTO, Uri.parse("smsto:01097329110"));
intent.putExtra("sms_body", "잠시 후 다시 전화 주세요 ");
//if (intent.resolveActivity(getApplicationContext()) != null) {
startActivity(intent);
//}
});
// 갤러리
button6.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
// 갤러리 열기
Intent intent = new Intent(Intent.ACTION_GET_CONTENT);
intent.setType("image/*");
if (intent.resolveActivity(getApplicationContext()) != null) {
startActivity(intent);
}
});
}

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// 카메라
button7.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
Intent intent = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);
if(intent.resolveActivity(getApplicationContext()) != null){
startActivity(intent);
}
});

// 주소록
button8.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
Intent intent = new Intent(Intent.ACTION_PICK);
intent.setData(ContactsContract.Contacts.CONTENT_URI);
startActivity(intent);
});

// 통화 목록
button9.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
Intent intent = new Intent();
intent.setAction(Intent.ACTION_VIEW);
intent.setType(CallLog.Calls.CONTENT_TYPE);
if (intent.resolveActivity(getApplicationContext()) != null) {
startActivity(intent);
}
});
}

```

