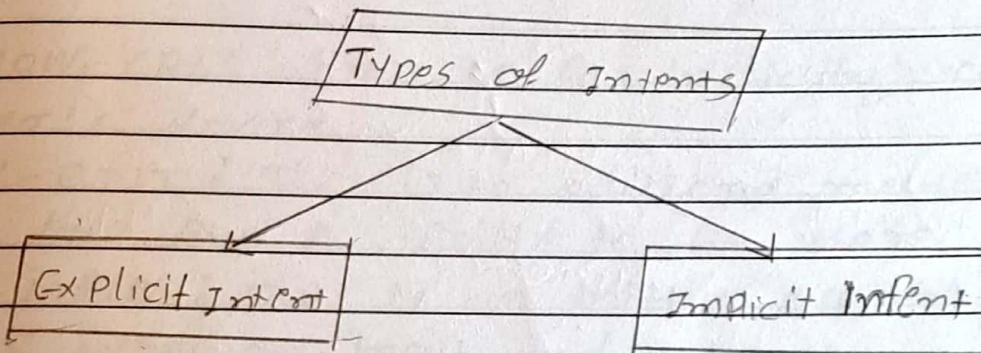


Practical-6

What is Intent?

- Intent are the objects which is used in android for passing the information among Activities in an Application and from one app to another also.
- Intent are used for communicating between the Application components and it also provides the connectivity between two apps.

Types of Intent?



1. Explicit Intent:

Explicit Intents are used to connect the application internally.

□ Intent Intent = new Intent(getApplicationContext(),
SecondActivity.class);

□ startActivity(intent);

2. Implicit Intent:

- It mainly use for passing data from one app to another or open another application.



Ex: open link, open camera, set alarm, choose images from gallery, get contacts from contact app, dial number, open file with another app, select file from file system and many more.

Intent Intentobj = new Intent(Intent.ACTION.ACTION.
-VIEW);

Intentobj .setData(Uri.parse("https://www.google.com"));

startActivity(intentobj);

TYPES OF Intent Actions

- ACTION-CALL: This is for initiating calls from the user's device.
- ACTION-EDIT: This is to edit and make changes in the data that is visible to the users.
- ACTION-MAIN: This is an initial activity of a task. It takes no input and returns no output.
- ACTION-DIAL: This is used to display a dialer to the users.
- ACTION-SYNC: This is to synchronize the user's data on their device on a server.
- ACTION-HHEADSET-PLUGGED: This displays that a headset is plugged in or taken off.
- ACTION-SCREENON: This is for turning on the screen of the user's device.
- ACTION-BATTERY-LOW: This is a warning for a low running battery.
- ACTION-VIEW: This displays the data to the users on

The screens of their devices,

activity_main.xml

```
<?xml version = "1.0" encoding = "utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    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">
    <androidx.core.widget.NestedScrollView
        android:id = "@+id/txt_camera"
        android:layout_width = "match_parent"
        android:layout_height = "match_parent"
        tools:context = "main Activity">
        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width = "match_parent"
            android:layout_height = "match_parent"
            android:layout_behavior = "@string/appbar_scrolling_view_behavior">
            <com.google.android.material.textfield.TextInputLayout
                android:layout_width = "match_parent"
                android:layout_height = "match_parent">
                <com.google.android.material.textfield.TextInput>
            
```

android:layout_marginStart = "120dp"

android:layout_marginEnd = "15dp"

URL "

android:height = "wrap_content"

app:layout_constraintBottom_toBottomOf = "@+id/btn_browser"

app:layout_constraintEnd_toStartOf = "@+id/btn_browser"

app:layout_constraintStart_toStartOf = "parent"

app:layout_constraintTop_toTopOf = "@+id/btn_browser"

app:srcCompat = "@drawable/ic_baseline_link_24" />

<com.google.android.material.textfield.TextInput
EditText

android:id = "@+id/txtn_browser"

android:layout_width = "match_parent"

android:layout_height = "wrap_content" />

</com.google.android.material.textField TextInput
Layouts

<Button

android:id = "@+id/btn_browser"

android:layout_width = "0dp"

android:layout_height = "wrap_content"

android:layout_marginTop = "20dp"

android:layout_marginEnd = "20dp"

android:backgroundTint = "@color/bin-back-color"

android:gravity = "center"

android:text = "Browse"

app:cornerRadius = "12dp"

app:layout_constraintEnd_toEndOf = "parent" />

app:layout_constraintTop_toTopOf = "parent" />

`com.google.android.material.textField.TextInputLayout`
`android:layout_width = "0dp"`

```
and add 'layout-height: "wrap-content";'  
and add 'flex-grow: 1;'
```

~~Layout marginstart = "20dp"~~

`underlined; layout_marginStart="20dp"
layout_marginEnd="5dp" android:hint="call
number"`

cmdacd; hinc="cui

`app:layout_constraintBottom_toBottomOf="@+id/btn_cvv"`

~~app:layout_constraintTop_toId="@+id/btn-call"~~

parent_start -> start of "parent"

`constraint topToTopOf = @"id/htn" call"`

CDP's stock can now be traded on the Nasdaq.

<http://www.google.com/mobile/webkit/ios-testsuite/testcases/textfield.html>

`android:id="@+id/txt_sen1"`

and set `flex-grow: 1`, `width: "100px"`, `border: 1px solid black`.

and add: layout-height = "wrap_content" to all

standard: $\text{f}_{\text{eff}} \text{DT-type} = "Pheno" / \{$

6. (com.google.android.material.textfield.TextFieldLayout)

cmdLine : id = " @+id/btn-call "

constraint: layout-width = "odp"

`child::layout-height = "wrap-content"`

and add: layout-margin-top = "30dp"

`underline': background: '@color1/btn-back-color';`

implied 'text' = "null"

CPP: Larger Radii \Rightarrow 12SDP1

clip !not layout_constraintEnd_toEndOf = " @+id/btn because of "

`app:layout_constraintTop_toBottomOf = "@+id/btn_box" style="top"`

```
<com.google.android.material.textField.TextInputLayout  
    android:layout_width="10dp"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="20dp"  
    android:layout_marginEnd="5dp"  
    android:hint="Contact List"  
    app:layout_constraintBottom_toBottomOf="  
        "@+id/btn-contact"  
    app:layout_constraintEnd_toStartOf="@+id/btn-contact"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="@+id/btn-contact"  
    app:startIconDrawable="@drawable/ic-baseline_Ruler_2u">  
<com.google.android.material.textField.TextInputEdit  
    android:id="@+id/text-contact"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"/>
```

```
<com.google.android.material.textField.TextInputLayout  
    <Button  
        android:id="@+id/btn-contact"  
        android:layout_width="10dp"  
        android:layout_height="wrap_content"  
        android:layout_marginTop="30dp"  
        android:backgroundTint="@color/btn-background-color"  
        android:text="Contact"  
        app:cornerRadius="20dp"/>
```

```
    app:layout_constraintTop_toBottomOf="@+id/btn_gallery"
<com.google.android.material.textField.TextInputLayout
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="20dp"
    android:layout_marginEnd="50dp"           android:hint="Category"
    android:layout_constraintBottom_toBottomOf="@+id/btn_gallery"
    app:layout_constraintEnd_toStartOf="@+id/btn_gallery"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="@+id/btn_gallery"
    app:startIconDrawable="@drawable/ic_baseline_Photo_24"
<com.google.android.material.textField.TextInputEditText
    android:id="@+id/txt_gallery"
    android:layout_width="match-parent"
    android:layout_height="wrap_content"/>
<com.google.android.material.textField.TextInputLayout
    android:id="@+id/btn_gallery"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="30dp"
    android:backgroundTint="@color/btn_bg_color"
    android:text="Category"
    android:cornerRadius="12.5dp"
    app:layout_constraintEnd_toEndOf="@+id/btn_call_log"
    app:layout_constraintTop_toTopOf="parent"/>
```

app:layout_constraintTop_toBottomOf="@+id/btn_camera" />

<com.google.android.material.textfield.Text
InputLayout

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:layout_marginStart="120dp"

android:layout_marginEnd="30dp"

android:hint="camera"

app:layout_constraintBottom_toBottomOf
="@+id/btn_camera"

app:layout_constraintEnd_toStartOf="@+id/btn_camera"

app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toTopOf="@+id/btn_camera"

app: startFromDrawable="@drawable/ic-baseline-photo
camera_24")

<com.google.android.material.textfield.TextField

android:layout_width="match_parent"

android:layout_height="wrap_content" />

<com.google.android.material.textfield.
TextInputLayout

<Button

android:id="@+id/btn_camera"

android:layout_width="0dp"

android:layout_height="wrap_content"

android:layout_marginTop="30dp"

android:backgroundTint="@color/btn_bg_color"

android:text="camera" />

app:cornerRadius="25dp"



clppi layout_constraintEnd_toEndOf = "@+id/btn_gallery"
clppi layout_constraintTop_toBottomOf = "@+id/btn_ gallery"/>

<com.google.android.material.textfield.TextInputLayout

android:layout_width = "0dp"

android:layout_height = "wrap_content"

android:layout_marginStart = "20dp"

android:layout_marginEnd = "5dp"

android:hint = "Alarm"

clppi layout_constraintBottom_toBottomOf = "@+id/btn_alarm"/>

clppi layout_constraintStart_toStartOf = "parent"/>

clppi layout_constraintTop_toTopOf = "@+id/btn_ alarm"/>

clppi startIconDrawable = "@drawable/ic_baseline_clock_24"/>

<com.google.android.material.textField.EditText

android:layout_width = "match_parent"

android:id = "@+id/txt_clock"

android:layout_height = "wrap_content"/>

<com.google.android.material.textField.TextInputLayout

<button

android:id = "@+id/btn_clock"

android:layout_width = "0dp"

android:layout_height = "wrap_content"

android:layout_marginTop = "30dp"

```
        android:backgroundTint = "@color / btn . back . color"
        android:text = "Alarm"
        app:cornerRadius = "25dp"
    app:layout_constraintEnd_toEndOf = "@+id / btn . corner"
    app:layout_constraintTop_toBottomOf = "@+id / btn . corner"
</androidx.constraintlayout.widget.ConstraintLayout>
</androidx.core.widget.NestedScrollView>
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```



MainActivity.kt:

package com.example.madprachicuin_21012022eue

import android.content.Intent import

android.net.Uri

import

androidx.appcompat.AppCompatActivity

import android.os.Bundle import

android.provider.AlarmClock import

android.provider.Settings import

android.provider.ContactsContract import

android.provider.MediaStore import

android.widget.Button import

android.widget.EditText import

import android.widget.Toast

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity_main)

val btnBrowse: Button = findViewById(R.id.btnBrowse)

val txtBrowse: EditText = findViewById(R.id.txtBrowse)

val txtCall: EditText = findViewById(R.id.txtCall)

val btnCall: Button = findViewById(R.id.btnCall)

val txtCll: EditText = findViewById(R.id.txtCll)

val txtAlrm: EditText = findViewById(R.id.txtAlrm)

val btn_contact: Button = findViewById(R.id.btn_contact)

val btn_calllog: Button = findViewById(R.id.btn_call_log)

val btn_gallery: Button = findViewById(R.id.btn_gallery)

val btn_camera: Button = findViewById(R.id.btn_camera)

val btn_alarm: Button = findViewById(R.id.btn_alarm)

btn_Browse.setOnClickListener {

if (txt_Browse.text.toString() == "") {

Intent(Intent.ACTION_VIEW).setData(Uri.parse("https://"))

.setExtras(Bundle().putString("text", txt_Browse.text.toString())).apply()

startActivity(this)

}

}

else {

Toast.makeText(this, "Please enter URL",

Toast.LENGTH_SHORT).show()

}

}

btn_call.setOnClickListener {

if (txt_call.text.toString() == "") {

5

Intent(Intent.ACTION_DIAL).setData(Uri.parse("tel:" + txt_call.text.toString())).apply()

.startActivity(this)

3

3



else {

Toast.makeText(this, "please enter mobile number", Toast.LENGTH_SHORT).show();
}

}

btnContact.setOnClickListener {

Intent(intent.ACTION_VIEW).setType(ContactsContract.Contacts.CONTENT_TYPE).
apply();

startActivity(this);

}

}

btnCallLog.setOnClickListener {

Intent(intent.ACTION_VIEW).setType(CallLog.Calls.CONTENT_TYPE).apply();

startActivity(this);

}

}

btnGallery.setOnClickListener {

Intent(intent.ACTION_PICK).setType("image/*").apply();

startActivity(this);

}

}

btnCamera.setOnClickListener {

Intent(MediaStore.ACTION_IMAGE_CAPTURE).apply();

startActivity(this);



3

3
btnAlarm; setOnTouchListener s

iF (btnAlarm. text, isEqualToString:@ ""))

as

Intent (AlarmClock. ACTION_SET_ALARM), applies
this, PutExtra (AlarmClock. EXTRA_MESSAGE,
txtAlarm. text, isEqualToString(@))

this, PutExtra (AlarmClock. EXTRA_HOUR, 10)

this, PutExtra (AlarmClock. EXTRA_MINUTES, 30) startActivity
(new)

3

3

CASE S

TOAST, makeText (this, "please enter Alarm
name", TOAST.LENGTH_
SHORT), show()

3

3