

INTENTS AND START ACTIVITY FOR RESULT



TOPICS

- Intents
 - Start activity
 - Start activity for results
 - Examples

TYPE OF INTENTS

- Intents are objects of the `android.content.Intent`
- We can add data to the intent (using `Bundle`).
- android provide two type of Intents
- **Explicit intents** : specify the component to start by name
- **Implicit intents** : do not name a specific component, but instead declare a general action to perform

EXPLICIT INTENTS

to Start activity or service

To start an activity or Service use the methods

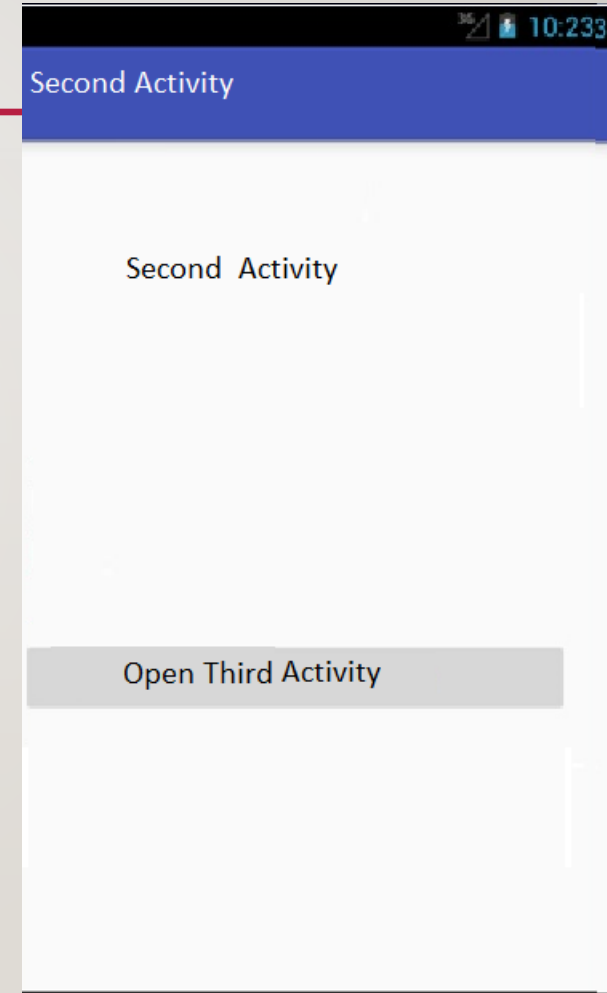
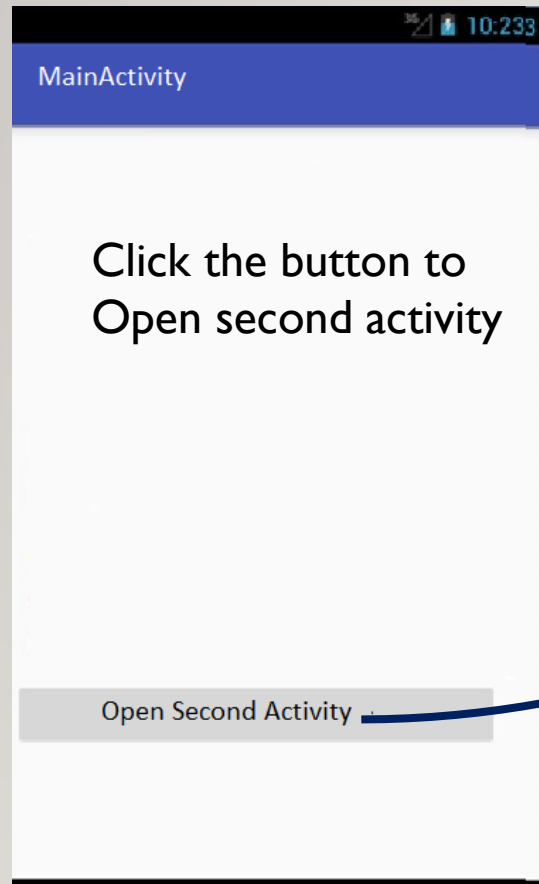
- `startActivity/startActivityForResult` – to launch an Activity
- `startService` – to start a background service

EXAMPLE

- **Explicit intents**
- **Using start Activity method**

```
public void goToActivity2 (View view) { //  
Intent intent = new Intent (this, SecondActivity.class);  
startActivity (intent);  
}
```


EXAMPLE : START ACTIVITY

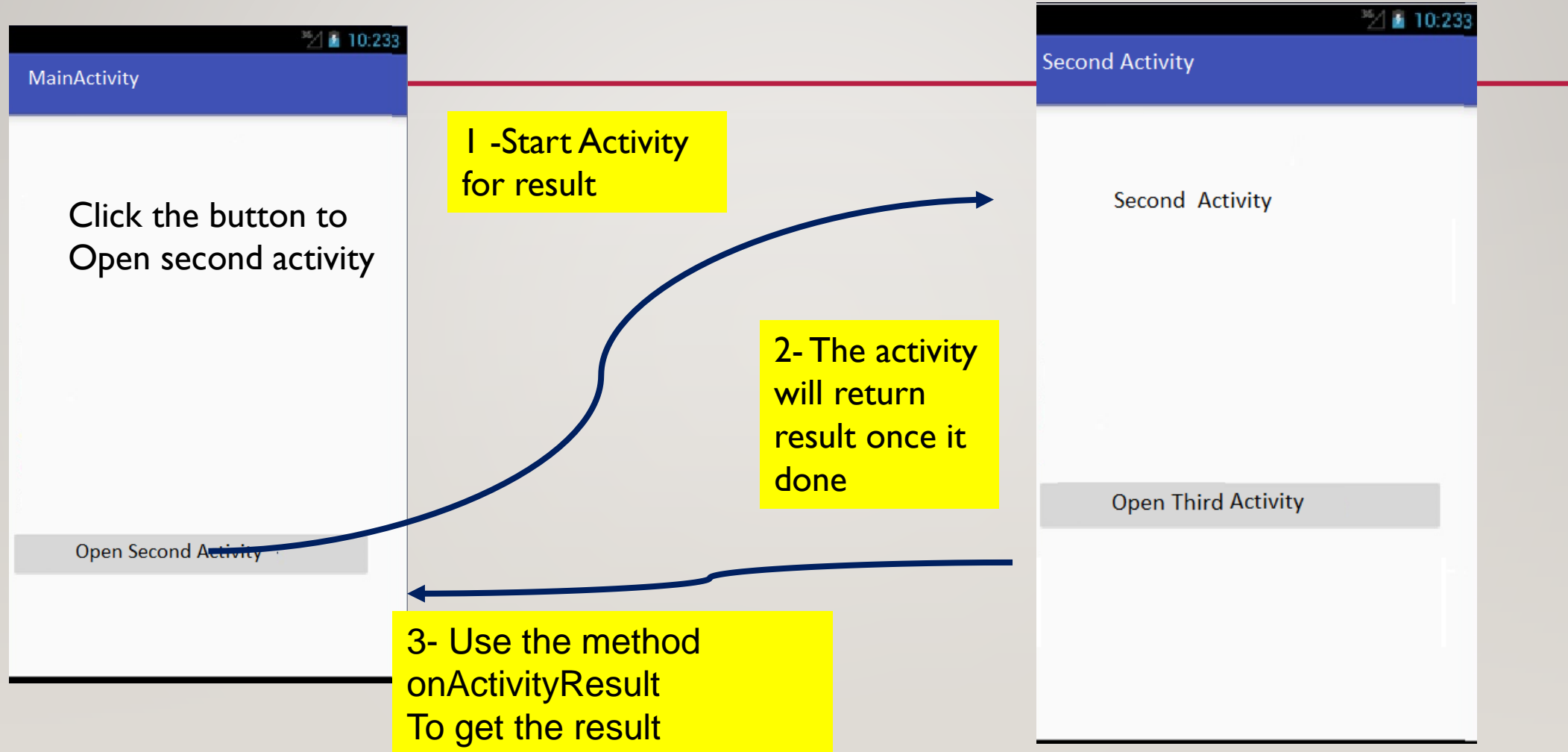


EXAMPLE

- **Explicit intents**
- **Using start Activity For Result method**

```
int requestCode = 100;
public void goToActivity2(View view) { //
    Intent intent = new Intent(this, SecondActivity.class);
    startActivityForResult (intent , requestCode);
}
```

EXAMPLE : START ACTIVITY FOR RESULT



- // Call Back method to get the result from second rActivity
- @Override
- protected void onActivityResult(int requestCode, int resultCode, Intent data)
- {
- super.onActivityResult(requestCode, resultCode, data);
- /* check if the Request Code is 100 (same as what is passed) */
- if(requestCode==100)
- {
- String result=data.getStringExtra("result");
- textView.setText(result); // display the result
- }
- }

TAKING PHOTO

- ❖ Taking photo using implicit Intent
- ❖ Launch the intent using startActivity for result
- ❖ Override onActivityResult()
- ❖ get the Bitmap image in the extras, under the key "data".
- ❖ Retrieve image and displays it in an Image view

TAKING PHOTO (IMPLICITLY INTENT)

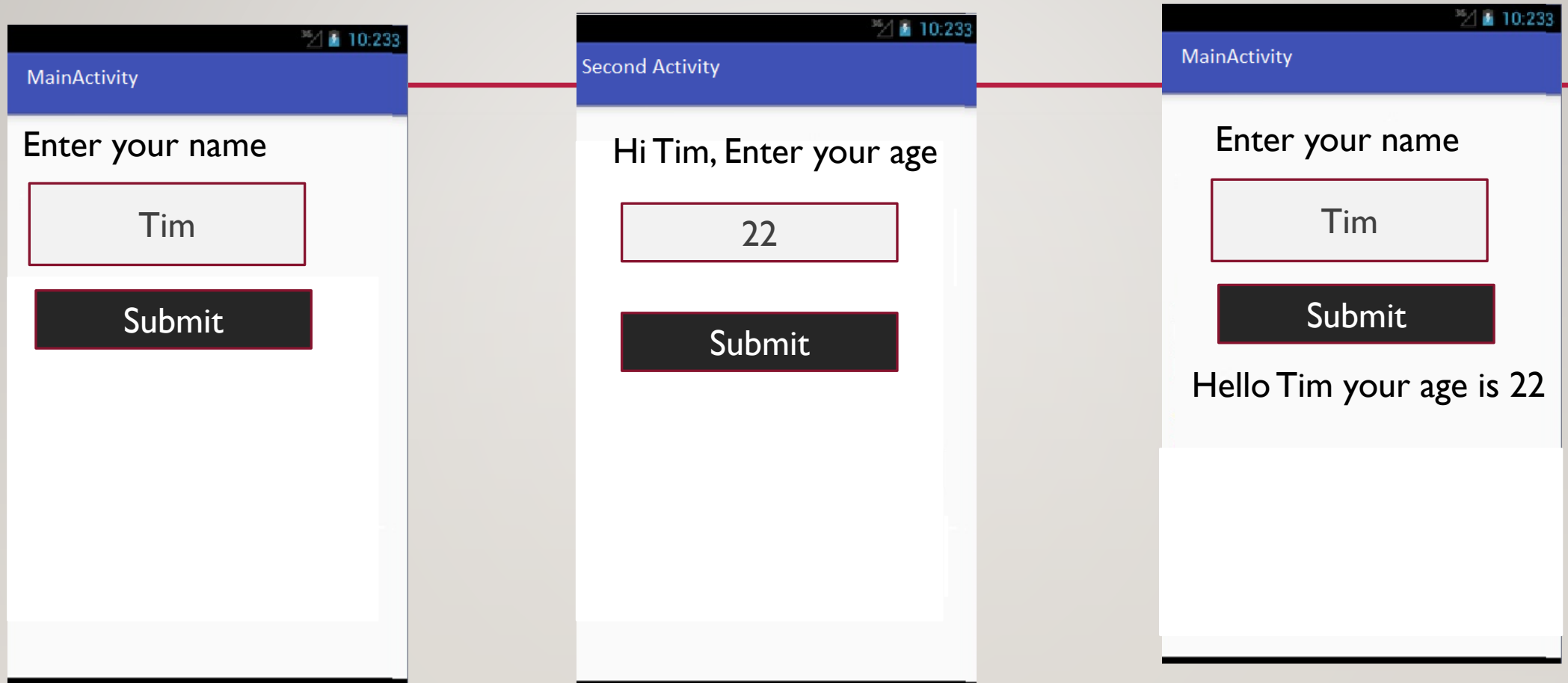
```
val REQUEST_IMAGE_CAPTURE = 1
```

```
private fun dispatchTakePictureIntent() {  
    val takePictureIntent = Intent(MediaStore.ACTION_IMAGE_CAPTURE)  
    try {  
        startActivityForResult(takePictureIntent, REQUEST_IMAGE_CAPTURE)  
    } catch (e: ActivityNotFoundException) {  
        // display error state to the user  
    }  
}
```

ON ACTIVITY RESULT

```
override fun onActivityResult(requestCode: Int,  
    resultCode: Int, data: Intent?) {  
    if (requestCode == REQUEST_IMAGE_CAPTURE &&  
        resultCode == RESULT_OK) {  
        val imageBitmap = data.extras.get("data") as Bitmap  
        imageView.setImageBitmap(imageBitmap)  
    }  
}
```

EXAMPLE : START ACTIVITY FOR RESULT



REFERENCES

- <https://developer.android.com/training/>
- <https://developer.android.com/training/basics/intents/result>