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EXPERIMENT 10

WORKING WITH INTENT – startActivityforResult( )

AIM: To create an application using startActivityforResult().

ASSIGNMENT

1. Create an application in android that will that will retrieve string value from second activity using startActivityforResult( ) and onActivityResult( ) .

CODE

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout 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"
tools:context=".MainActivity">
<TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginRight="30dp"
        android:layout_marginTop="120dp"
        android:textSize="25dp"
        android:hint="Submitted Text..."
        android:textStyle="bold"
        android:id="@+id/txtView" />
<Butto
n       android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="200dp"
        android:layout_marginLeft="115dp"
        android:text=" Get Message "
        android:textSize="25dp"
        android:textStyle="bold"
        android:id="@+id/btnGMsg" />
</RelativeLayout>
```

MainActivity.Java

```java
package com.example.mca1732.intent2activity;

import android.content.Intent;
```

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```java
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {

TextView t1;
Button b1;

@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);

t1 = (TextView)findViewById(R.id.txtView);
b1 = (Button)findViewById(R.id.btnGMsg);
b1.setOnClickListener(new View.OnClickListener() {

@Override
public void onClick(View v) {
Intent first = new Intent(MainActivity.this,Main2Activity.class);
startActivityForResult(first,1);
    }
  });
}
@Override
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
super.onActivityResult(requestCode, resultCode, data);
if(resultCode == 0)
{       String msg =data.getExtras().getString("MESSAGE");
        t1.setText(msg);
}
    }
}
```

Second activity.xml

```xml
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout 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"
tools:context=".Main2Activity">
<EditText
```

```xml
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="120dp"
            android:layout_marginLeft="30dp"
            android:layout_marginRight="30dp"
            android:hint=" Enter Message "
            android:textSize="25dp"
            android:textStyle="bold"
            android:id="@+id/txtMsg" />
    <Butto
    n       android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="200dp"
            android:layout_marginLeft="130dp"
            android:text=" SUBMIT "
            android:textSize="25dp"
            android:textStyle="bold"
            android:id="@+id/btnSubmit" />
    </RelativeLayout>
```
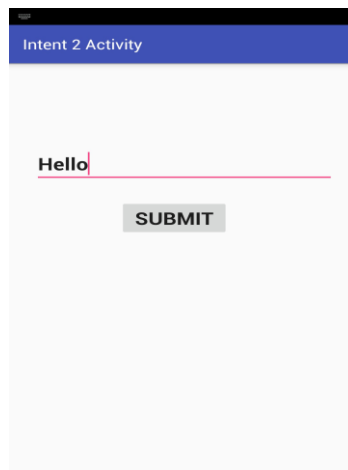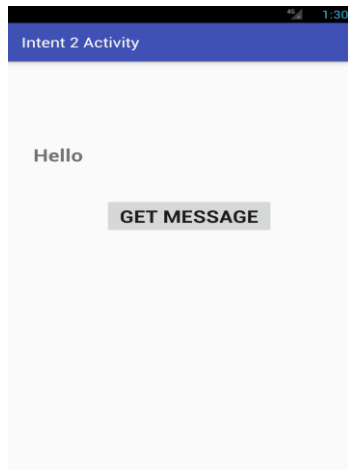
Second_activity.java

```java
    package com.example.mca1732.intent2activity;
    import android.content.Intent;
    import android.support.v7.app.AppCompatActivity;
    import android.os.Bundle;
    import android.view.View;
    import android.widget.Button;
    import android.widget.EditText;
    public class Main2Activity extends AppCompatActivity {
            EditText e1;
            Button b1;
     protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main2);
    e1 = (EditText)findViewById(R.id.txtMsg);
    b1 = (Button)findViewById(R.id.btnSubmit);
    b1.setOnClickListener(new View.OnClickListener() {
    public void onClick(View v) {
    String msg = e1.getText().toString();
    Intent two = new Intent();
    two.putExtra("MESSAGE",msg);
    setResult(0, two);
    finish();
    });
  }
}
```

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OUTPUT

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2. Create an application in android that calculate sum of two numbers in second activity and the result is displayed in first activity using startActivityforResult( ) and onActivityResult( ).

CODE

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginRight="30dp"
        android:layout_marginTop="120dp"
        android:textSize="25dp"
        android:hint="Submitted Text..."
        android:textStyle="bold"
        android:id="@+id/txtView"
        />
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="200dp"
        android:layout_marginLeft="115dp"
        android:text=" Get Message "
        android:textSize="25dp"
        android:textStyle="bold"
        android:id="@+id/btnGMsg"
        />
</RelativeLayout>
```

MainActivity.java

```java
package com.example.mca1732.numintent;
```

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```java
import android.content.Intent;
import android.support.annotation.Nullable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
    TextView t1;
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        t1 = (TextView)findViewById(R.id.txtView);
        b1 = (Button)findViewById(R.id.btnGMsg);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent first = new Intent(MainActivity.this,Main2Activity.class);
                startActivityForResult(first,1);
            }
        });
    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if(resultCode == 0)
        {
            String msg =data.getExtras().getString("MESSAGE");
            t1.setText(msg);
        }
    }
}
```

activity_main2.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    tools:context=".Main2Activity">
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
```

```xml
    android:layout_marginTop="120dp"
    android:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    android:hint=" Number 1 "
    android:textSize="25dp"
    android:textStyle="bold"
    android:id="@+id/txtNum1"
    />
  <EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="200dp"
    android:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    android:hint=" Number 2 "
    android:textSize="25dp"
    android:textStyle="bold"
    android:id="@+id/txtNum2"
    />
  <Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="280dp"
    android:layout_marginLeft="130dp"
    android:text=" SUBMIT "
    android:textSize="25dp"
    android:textStyle="bold"
    android:id="@+id/btnSubmit"
    />
</RelativeLayout>
```

MainActivity2.java

```java
package com.example.mca1732.numintent;

import android.content.Intent;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
public class Main2Activity extends AppCompatActivity {
  EditText e1,e2;
  Button b1;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
```
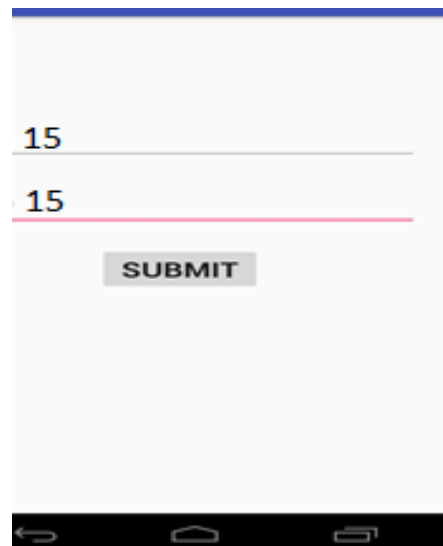
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```java
        setContentView(R.layout.activity_main2);
        e1 = (EditText)findViewById(R.id.txtNum1);
        e2 = (EditText)findViewById(R.id.txtNum2);
        b1 = (Button)findViewById(R.id.btnSubmit);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String msg1 = e1.getText().toString();
                String msg2 = e2.getText().toString();
                Integer x = Integer.parseInt(msg1);
                Integer y = Integer.parseInt(msg2);
                Integer res = x + y;
                String res1 = res.toString();
                Intent two = new Intent();
                two.putExtra("MESSAGE",res1);
                setResult(0, two);
                finish();
            }
        });
    }
}
```

OUTPUT

CONCLUSION:

- Understand To create an application using startActivityforResult().