

**Enterprise Application Development  
BSCS - YELLOW (BATCH-18)**



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## Main Activity

### Code:

*activity\_main.xml*

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:gravity="center"
    android:orientation="vertical"
    android:padding="16dp"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/btnDialogBox"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Dialog box" />

    <Button
        android:id="@+id/btnToastDemo1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Toast Demo 1" />

    <Button
        android:id="@+id/btnToastDemo2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Toast Demo 2" />

</LinearLayout>
```

*MainActivity.java*

```
public class MainActivity extends AppCompatActivity {

    Button btnDialogBox;
```

```

        Button btnToastDemo1;
        Button btnToastDemo2;

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

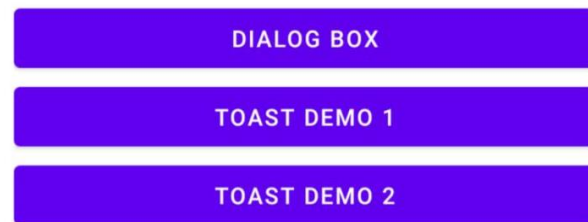
            btnDialogBox = findViewById(R.id.btnDialogBox);
            btnToastDemo1 = findViewById(R.id.btnToastDemo1);
            btnToastDemo2 = findViewById(R.id.btnToastDemo2);

            btnDialogBox.setOnClickListener(v -> {
                Intent intent = new Intent(MainActivity.this,
AndDemoUI1.class);
                startActivity(intent);
            });
            btnToastDemo1.setOnClickListener(v -> {
                Intent intent = new Intent(MainActivity.this,
ToastDemo1.class);
                startActivity(intent);
            });
            btnToastDemo2.setOnClickListener(v -> {
                Intent intent = new Intent(MainActivity.this,
ToastDemo2.class);
                startActivity(intent);
            });
        }
    }
}

```

**Screenshot:**

## Task 6



## Dialoge Box Activity

### Code:

*activity\_and\_demo\_ui1.xml*

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

```

        android:id="@+id/LinearLayout01"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="horizontal">

        <Button
            android:id="@+id/btnGo"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="GO" />

        <EditText
            android:id="@+id/txtMsg"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:hint="click the button" />
    </LinearLayout>

```

### *AndDemoUI1.java*

```

public class AndDemoUI1 extends AppCompatActivity {

    Button btnGo;
    EditText txtMsg;
    String msg;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_and_demo_ui1);

        txtMsg = (EditText) findViewById(R.id.txtMsg);
        btnGo = (Button) findViewById(R.id.btnGo);
        btnGo.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View arg0) {
                AlertDialog dialBox = createDialogBox();
                dialBox.show();
                txtMsg.setText("I am here! ");
            }
        });
    }
}

```

```

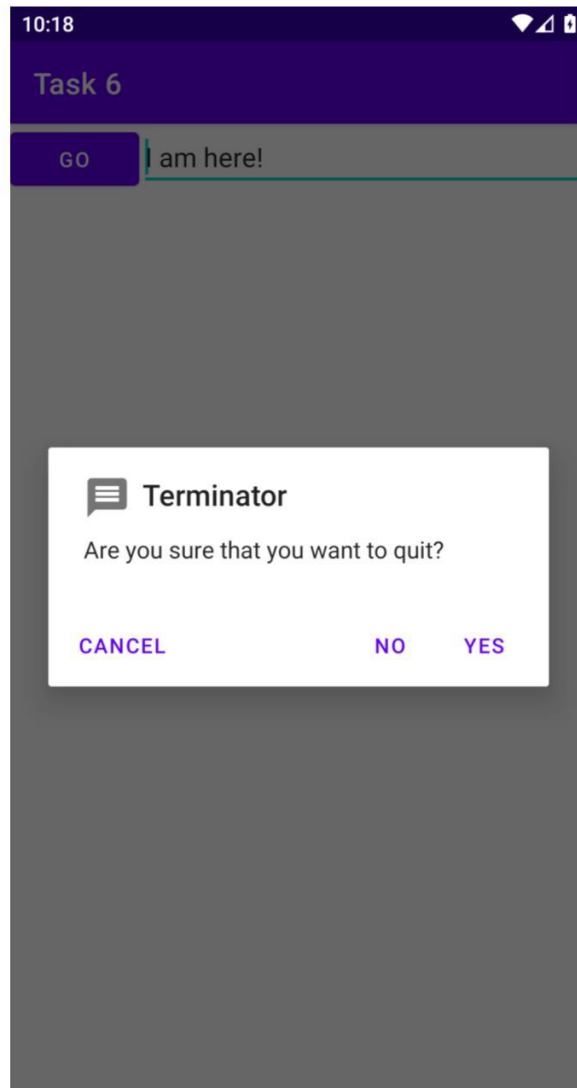
        }
    });
}

private AlertDialog createDialogBox() {
    AlertDialog myQuittingDialogBox =
        new AlertDialog.Builder(this)
            .setTitle("Terminator")
            .setMessage("Are you sure that you want to
quit?")
            .setIcon(R.drawable.ic_menu_end_conversation)
            .setPositiveButton("Yes", new
DialogInterface.OnClickListener() {
                public void onClick(DialogInterface
dialog, int whichButton) {
                    msg = "YES " +
Integer.toString(whichButton);
                    txtMsg.setText(msg);
                }
            })//setPositiveButton
            .setNeutralButton("Cancel", new
DialogInterface.OnClickListener() {
                public void onClick(DialogInterface
dialog, int whichButton) {
                    msg = "CANCEL " +
Integer.toString(whichButton);
                    txtMsg.setText(msg);
                }
            })//setNeutralButton
            .setNegativeButton("NO", new
DialogInterface.OnClickListener() {
                public void onClick(DialogInterface
dialog, int whichButton) {
                    msg = "NO " +
Integer.toString(whichButton);
                    txtMsg.setText(msg);
                }
            })//setNegativeButton
            .create();
}

```

```
        return myQuittingDialogBox;  
    } // createDialogBox  
}
```

**Screenshot:**



## Toast Demo 1

**Code:**

*activity\_toast\_demo\_1.xml*

```

<?xml version="1.0" encoding="utf-8"?>
<TableLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/myTableLayout"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:background="#ff0000ff"
    android:orientation="vertical"
    android:stretchColumns="1,2">

    <TableRow
        android:id="@+id/myRow0"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/myCaption"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:layout_span="2"
            android:background="#ff009999"
            android:gravity="center"
            android:text="Testing Toast - Gravity.CENTER 320x480
pixels"
            android:textSize="20sp"></TextView>
    </TableRow>

    <TableRow
        android:id="@+id/myRow1"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:background="#ff0000ff"
        android:orientation="horizontal"
        android:padding="10px">

        <TextView
            android:id="@+id/xLabel"
            android:layout_width="wrap_content"

```



```

        android:layout_height="wrap_content"
        android:text=" X offset: "
        android:textSize="18sp"></TextView>

<EditText
    android:id="@+id/xBox"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:inputType="numberSigned"
    android:text="0"
    android:textSize="18sp"></EditText>
</TableRow>

<TableRow
    android:id="@+id/myRow2"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:background="#ff0000ff"
    android:orientation="horizontal"
    android:padding="10px">

    <TextView
        android:id="@+id/yLabel"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=" Y offset: "
        android:textSize="18sp"></TextView>

    <EditText
        android:id="@+id/yBox"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:inputType="numberSigned"
        android:text="0"
        android:textSize="18sp"></EditText>
</TableRow>

<TableRow
    android:id="@+id/myRow3"

```

```

        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:background="#ff0000ff"
        android:orientation="horizontal"
        android:padding="10px">

        <Button
            android:id="@+id/btn1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_span="2"
            android:text=" Show Toast "></Button>
    </TableRow>
</TableLayout>

```

### *ToastDemo1.java*

```

public class ToastDemo1 extends AppCompatActivity {

    EditText xBox;
    EditText yBox;
    Button btn1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_toast_demo1);

        xBox = (EditText) findViewById(R.id.xBox);
        yBox = (EditText) findViewById(R.id.yBox);
        btn1 = (Button) findViewById(R.id.btn1);
        // onClick
        btn1.setOnClickListener(v -> {
            try {
                Toast myToast = Toast.makeText(
                    getApplicationContext(),
                    "Saludos amigos \n Hasta la vista",
                    Toast.LENGTH_LONG);
                myToast.setGravity(Gravity.CENTER,

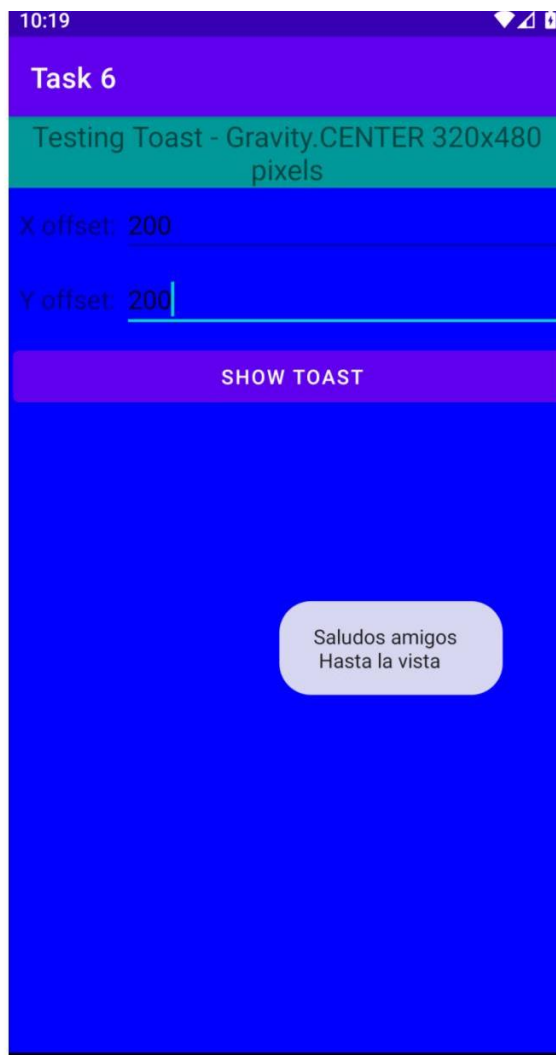
```

```

        Integer.valueOf(xBox.getText().toString()),
        Integer.valueOf(yBox.getText().toString()));
    myToast.show();
} catch (NumberFormatException e) {
    Toast.makeText(getApplicationContext(),
        e.getMessage(),
        Toast.LENGTH_LONG).show();
}
}); // listener
}
}

```

**Screenshot:**



## Toast Demo 2

### Code:

*Activity\_toast\_demo\_2.xml*

```
<?xml version="1.0" encoding="utf-8"?>
<TableLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/myTableLayout"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:background="#ff0000ff"
    android:orientation="vertical"
    android:stretchColumns="1,2">

    <TableRow
        android:id="@+id/myRow0"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/myCaption"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:layout_span="2"
            android:background="#ff009999"
            android:gravity="center"
            android:text="Testing Toast - Gravity.CENTER 320x480
pixels"
            android:textSize="20sp"></TextView>
    </TableRow>

    <TableRow
        android:id="@+id/myRow1"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:background="#ff0000ff"
        android:orientation="horizontal">
```

```

        android:padding="10px">

        <TextView
            android:id="@+id/xLabel"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text=" X offset: "
            android:textSize="18sp"></TextView>

        <EditText
            android:id="@+id/xBox"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:inputType="numberSigned"
            android:text="0"
            android:textSize="18sp"></EditText>
    </TableRow>

    <TableRow
        android:id="@+id/myRow2"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:background="#ff0000ff"
        android:orientation="horizontal"
        android:padding="10px">

        <TextView
            android:id="@+id/yLabel"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text=" Y offset: "
            android:textSize="18sp"></TextView>

        <EditText
            android:id="@+id/yBox"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:inputType="numberSigned"
            android:text="0"

```

```

        android:textSize="18sp"></EditText>
</TableRow>

<TableRow
    android:id="@+id/myRow3"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:background="#ff0000ff"
    android:orientation="horizontal"
    android:padding="10px">

    <Button
        android:id="@+id/btnShowToast"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_span="2"
        android:text=" Show Toast "></Button>

</TableRow>
</TableLayout>

```

*my\_toast\_layout.xml*

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/my_toast_layout_root"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="horizontal"
    android:padding="10dp">

    <TextView
        android:id="@+id/text"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="20dp"
        android:background="@drawable/my_border"
    >

</TextView></LinearLayout>

```

*my\_border.xml*

```
<?xml version="1.0" encoding="UTF-8" ?>
<shape xmlns:android="http://schemas.android.com/apk/res/android"
    android:shape="rectangle">
    <stroke
        android:width="2dp"
        android:color="#ffffff00" />
    <stroke
        android:width="2dp"
        android:color="#ffffff00" />
    <solid android:color="#ff990000" />
    <padding
        android:bottom="4dp"
        android:left="10dp"
        android:right="10dp"
        android:top="4dp" />
    <corners android:radius="15dp" />
</shape>
```

*ToastDemo2.java*

```
public class ToastDemo2 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_toast_demo2);

        Button btnShowToast = (Button)
        findViewById(R.id.btnShowToast);
        btnShowToast.setOnClickListener(v -> {
            LayoutInflater inflater = getLayoutInflater();
            View layout = inflater.inflate(
                R.layout.my_toast_layout,
                (ViewGroup)
        findViewById(R.id.my_toast_layout_root));
            TextView text = (TextView) layout.findViewById(R.id.text);
            Toast toast = new Toast(getApplicationContext());
```

```

text.setText("Hola mundo \nI'm a fancy Toast");
toast.setGravity(Gravity.CENTER, 0, 0);
toast.setDuration	Toast.LENGTH_SHORT);
toast.setView(layout);
toast.show();

Toast.makeText(getApplicationContext(),
    "Hola mundo \nnow I am quite normal",
    Toast.LENGTH_SHORT).show();
});
}
}

```

**Screenshot:**

