

## TextView

### XML:-

```
<RelativeLayout >

<TextView
    android:id="@+id/text_view_id"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:text= "Hello">

</LinearLayout>
```

## EditText

### XML:-

```
<RelativeLayout >

<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/et"
    />

</RelativeLayout>
```

## Button

### XML:-

```
<RelativeLayout >

<Button
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/bt"
    android:text= "Click"
    android:onClick= "btclick"
    />

</RelativeLayout>
```

### JAVA:-

```
Public class MainActivity{
    Button btn;

    Protected void onCreate(){
        btn = findViewById(R.id.bt);
    }

    Public void btclick(view v){
        Toast("this, Button clicked");
    }
}
```

## Rating Bar

### XML:-

```
<RelativeLayout >
```

```
<RatingBar
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_centerHorizontal = "true"
```

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

```
    android:stepSize = "0.25"
```

```
    android:numStars = "5"
```

```
    android:rating= "4.5"
```

```
<Button
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

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

```
    android:text= "Click"
```

```
    android:onClick= "btclick"
```

```
    android:layout_below = "@+id/rb"
```

```
    android:layout_centerHorizontal = "true"
```

```
</RelativeLayout>
```

## **JAVA:-**

```
Public class MainActivity{  
RatingBar rtb;  
  
Protected void onCreate(){  
btn = findViewById(R.id.bt);  
Rtb = findViewById(R.id.rb);  
}  
  
Public void btclick(view v){  
Float ratingvalue = ratingBar.getRating();  
Toast("this, Rating is: "+ ratingvalue);  
}  
}
```

## **Switch**

## **XML:-**

```
<RelativeLayout >  
  
<Switch  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:id="@+id/sw"  
    android:onClick= "switchclick"  
    android:layout_centerHorizontal = "true"  
    />  
  
</RelativeLayout>
```

## **JAVA:-**

```
Public class MainActivity{
```

```
Switch sth;
```

```
Protected void onCreate(){  
sth = findViewById(R.id.sw);  
}
```

```
Public void switchclick(view v){
```

```
    if(sth.isChecked()){  
Toast(this, Switch On);  
    }  
    else{  
    Toast(this, Switch On);  
    }
```

```
}
```

```
}
```

## ToggleButton

### XML:-

```
<RelativeLayout >

<ToggleButton
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/tb"
    android:onClick= "tbclick"
    android:layout_centerHorizontal = "true"
    />

</RelativeLayout>
```

### JAVA:-

```
Public class MainActivity{
ToggleButton tgb;

Protected void onCreate(){
tgb = findViewById(R.id.tb);
}

Public void tbclick(view v){
    if(tb.isChecked()){
Toast(this, Toggle On);
    }
    else{
Toast(this, Toggle Off);
    }
}
}
```

## ImageView

### XML:-

```
<RelativeLayout >
```

```
<ImageView
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

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

```
    android:src="@drawable/ic_launcher"
```

```
    android:onClick="iclick"
```

```
</RelativeLayout>
```

### JAVA:-

```
Public class MainActivity{
```

```
    ImageView img;
```

```
    Protected void onCreate(){
```

```
        img = findViewById(R.id.iv);
```

```
    }
```

```
    Public void tbclick(view v){
```

```
        Toast(this, "Image was clicked")
```

```
    }
```

```
}
```