**1. Login :**

setContentView(R.layout.*activity\_main*);

TextView username =(TextView)findViewById(R.id.*username*);

TextView password =(TextView)findViewById(R.id.*password*);

Button button1 =(Button)findViewById(R.id.*button1*);

button1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if(username.getText().toString().equals("admin") && password.getText().toString().equals("pass")){

Toast.*makeText*(MainActivity.this,"Success",Toast.*LENGTH\_SHORT*).show();

}else

Toast.*makeText*(MainActivity.this,"Failed",Toast.*LENGTH\_SHORT*).show();

}

});

}}

**2. Orientation :**

public class MainActivity extends AppCompatActivity {

Button button1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

Button button1 =(Button)findViewById(R.id.*button1*);

}

public void onClick(View v){

Intent intent = new Intent(MainActivity.this,SecondActivity.class);

startActivity(intent);

}

}

**3. Splash :**

public class MainActivity extends AppCompatActivity {

private static int *SPLASH\_TIME\_OUT* = 5000;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

new Handler().postDelayed(new Runnable() {

@Override

public void run() {

Intent intent = new Intent(MainActivity.this, MainActivity2.class );

startActivity(intent);

finish();

}

},*SPLASH\_TIME\_OUT*);

}}

**4. Shapes :**

//creating Bitmap

Bitmap bg =Bitmap.*createBitmap*(720, 1280, Bitmap.Config.*ARGB\_8888*);

//Setting bitmap as a background for imageview

ImageView i =(ImageView)findViewById(R.id.*imageView*);

i.setBackgroundDrawable(new BitmapDrawable(bg));

//creating canvas

Canvas canvas = new Canvas(bg);

//creating paint

Paint paint = new Paint();

paint.setColor(Color.*RED*);

paint.setTextSize(50);

//draw rectangle

canvas.drawText("Rectangle", 420, 150, paint);

canvas.drawRect(400,200,650,700,paint);

//draw circle

canvas.drawText("Circle", 120, 150, paint);

canvas.drawCircle(200,350,150,paint);

//draw square

canvas.drawText("Square", 120, 800, paint);

canvas.drawRect(50,850,350,1150,paint);

//draw line

canvas.drawText("Rectangle", 480, 800, paint);

canvas.drawLine(520,850,520,1150,paint);

**5. Menu :**

@Override

public boolean onCreateOptionsMenu(Menu menu) {

getMenuInflater().inflate(R.menu.*menubar*, menu);

return true;

}

@Override

public boolean onOptionsItemSelected(MenuItem item) {

Toast.*makeText*(this, "Selected Item: " +item.getTitle(), Toast.*LENGTH\_SHORT*).show();

switch (item.getItemId()) {

case R.id.*id1*:

// do your code

return true;

case R.id.*id2*:

return true;

case R.id.*id3*:

return true;

default:

return super.onOptionsItemSelected(item);

} } }

**6. GUI :**

public class MainActivity extends AppCompatActivity {

int ch=1;

float font=30;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

final TextView t =(TextView)findViewById(R.id.*textView*);

Button button1 =(Button)findViewById(R.id.*button1*);

button1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) { t.setTextSize(font);

font = font +5;

if(font==50)

font=30;

}

});

Button button2 =(Button)findViewById(R.id.*button2*);

button2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

switch (ch) {case 1:

t.setTextColor(Color.*RED*);

break; case 2:

t.setTextColor(Color.*GREEN*);

break;

}

ch++;

if(ch==7)

ch=1; }

});

}

}

**7. Animations :**

public void tapToFade(View view) {

Button button1 = (Button) findViewById(R.id.*button1*);

Animation animation = AnimationUtils.*loadAnimation*(this, R.anim.*fade*);

button1.startAnimation(animation);

}

Move :

<translate

android:fromXDelta="0%p"

android:fromYDelta="75%p"

android:duration="800" />

Blink :

<alpha

android:fromAlpha="0"

android:toAlpha="1"

android:interpolator="@android:anim/accelerate\_interpolator"

android:duration="600"

android:repeatMode="reverse"

android:repeatCount="infinite" />

Fade :

<alpha

android:fromAlpha="0"

android:toAlpha="1"

android:duration="3000"/>

<alpha

android:startOffset="3000"

android:fromAlpha="1"

android:toAlpha="0"

android:duration="3000"/>

Slide :

<scale

android:fromYScale="1"

android:fromXScale="1"

android:interpolator="@android:anim/linear\_interpolator"

android:toYScale="0"

android:toXScale="1" />

**8. Media**

public class MainActivity extends AppCompatActivity {

MediaPlayer music;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

music = MediaPlayer.*create*(this, R.raw.*sample*);

}

//playing the music

public void musicplay(View v)

{

music.start();

}

public void musicstop(View v)

{

music.stop();

music=MediaPlayer.*create*(this, R.raw.*sample*);

}}

**9. Radio**

RadioButton simpleRadiobutton1,simpleRadiobutton2,simpleRadiobutton3, simpleRadiobutton4;

String selectedSuperstar;

Button submit;

RadioButton simpleRadioButton1 = (RadioButton) findViewById(R.id.*java*);

RadioButton simpleRadioButton2 = (RadioButton) findViewById(R.id.*android*);

RadioButton simpleRadioButton3 = (RadioButton) findViewById(R.id.*webt*);

RadioButton simpleRadioButton4 = (RadioButton) findViewById(R.id.*ml*);

submit = (Button) findViewById(R.id.*button*);

submit.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

if (simpleRadioButton1.isChecked()) {

selectedSuperstar = simpleRadioButton1.getText().toString();

} else if (simpleRadioButton2.isChecked()) {

selectedSuperstar = simpleRadioButton2.getText().toString();

} else if (simpleRadioButton3.isChecked()) {

selectedSuperstar = simpleRadioButton3.getText().toString();

} else if (simpleRadioButton4.isChecked()) {

selectedSuperstar = simpleRadioButton4.getText().toString();

}

Toast.*makeText*(getApplicationContext(), selectedSuperstar,

Toast.*LENGTH\_LONG*).show(); // print the value oF selectedSuperStar

}

});

}

}