**Develop basic application having 3 views (button, label and input box). Change following attributes for all views and make the interface user friendly and attractive**

1. **Background color**
2. **b) Label should be Enter Your good name**
3. **Text color**
4. **Text Size**
5. **Any 4 other attributes of your choice**
6. **App should take the name of user using input box**
7. **On clicking the button label should change to “Welcome to Android Development”**
8. **toast should appear “Asalam O Alimum Mr \_name entered by user”**

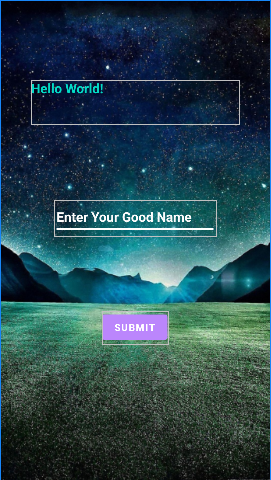
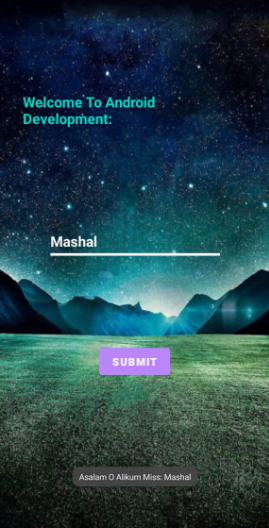
**JAVA CODE:**

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 Button bt;  
 TextView tv;  
 EditText te;  
 String s;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 bt=(Button) this.findViewById(R.id.*button*);  
 tv=(TextView) this.findViewById(R.id.*textView*);  
 te=(EditText) this.findViewById(R.id.*editTextTextPersonName*);  
 }  
  
 public void demo(View view) {  
 bt.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 s=te.getText().toString();  
 tv.setText("Welcome To Android Development:");  
 Toast t= Toast.*makeText*(MainActivity.this,"Asalam O Alikum Miss: "+s,Toast.*LENGTH\_SHORT*);  
 t.show();  
 }  
 });}  
}

**XML CODE:**

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout 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"  
 android:background="@drawable/img\_1"  
 android:backgroundTintMode="add"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="316dp"  
 android:layout\_height="67dp"  
 android:text="Hello World!"  
 android:textAppearance="@style/TextAppearance.AppCompat.Body1"  
 android:textColor="@color/teal\_200"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.494"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.182" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="100dp"  
 android:layout\_height="50dp"  
 android:layout\_marginTop="204dp"  
 android:backgroundTint="@color/purple\_200"  
 android:onClick="demo"  
 android:text="Submit"  
 android:textSize="15dp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView"  
 app:layout\_constraintVertical\_bias="0.282" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="247dp"  
 android:layout\_height="54dp"  
 android:backgroundTint="@color/white"  
 android:backgroundTintMode="screen"  
 android:ems="10"  
 android:hint="Enter Your Good Name"  
 android:inputType="textPersonName"  
 android:textColor="#F6F6F6"  
 android:textColorHint="#FDFCFC"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toTopOf="@+id/button"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**DESIGN: After Operation:**

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