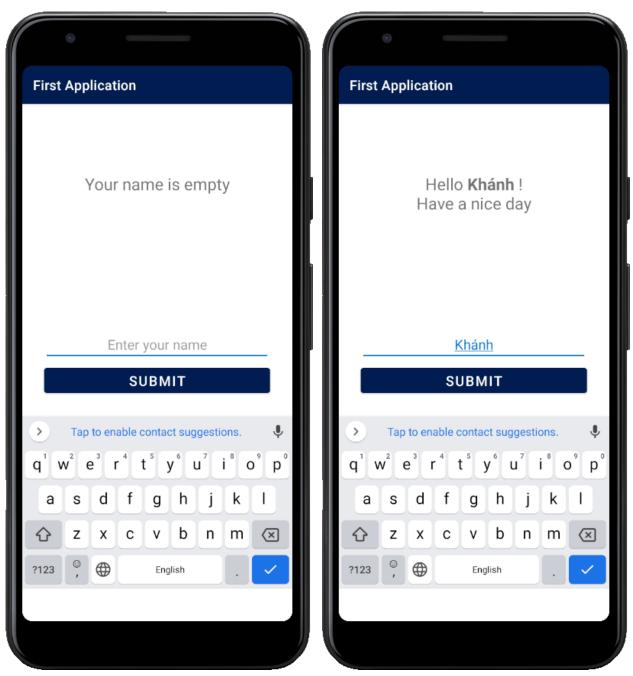
LÂM QUỐC KHÁNH -18110304

Úng dụng gồm 1 edit text (id là *editTextName*) để nhập tên, 1 button submit (id là *btnSubmit*), 1 textview hiển thị (id là *textViewResuLt*)

Khi người dùng không nhập tên mà bấm nút submit thì textview hiển thị "Your name is empty", còn khi nhập tên vào thì hiển thị một lời chào và lời chúc trên text view. Do khi dùng hàm setText() cho text view dùng html code để in đậm tên người nhập vào.



Code giao diện

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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:id="@+id/textViewResult"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="24dp"
        android:layout_marginTop="100dp"
        android:layout_marginEnd="24dp"
        android:textAlignment="center"
        android:textAppearance="@style/TextAppearance.AppCompat.Display1"
        android:textColor="@color/light_blue"
        android:textSize="24sp"
        app:layout constraintEnd toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    <EditText
        android:id="@+id/editTextName"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginEnd="32dp"
        android:layout_marginBottom="2dp"
        android:ems="10"
        android:hint="@string/edit_text_name_hint"
        android:inputType="textPersonName"
        android:textAlignment="center"
        android:textAllCaps="false"
        android:textColor="@color/light_blue"
        android:textColorHighlight="@color/dark_blue"
        android:textColorLink="@color/dark_blue"
        android:textCursorDrawable="@color/dark_blue"
        android:textSize="20sp"
        app:layout_constraintBottom_toTopOf="@+id/guideline9"
        app:layout constraintEnd toEndOf="parent"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="parent" />
    <Button
        android:id="@+id/btnSubmit"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginTop="2dp"
        android:layout_marginEnd="32dp"
        android:text="@string/btn submit content"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="@+id/guideline9" />
    <androidx.constraintlayout.widget.Guideline</pre>
        android:id="@+id/guideline9"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:orientation="horizontal"
        app:layout_constraintGuide_percent="0.5"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
public class MainActivity extends AppCompatActivity {
    private TextView textViewResult;
    private EditText editTextName;
    private Button buttonSubmit;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        initView();
    }
    void initView() {
        textViewResult = findViewById(R.id.textViewResult);
        editTextName = findViewById(R.id.editTextName);
        buttonSubmit = findViewById(R.id.btnSubmit);
        buttonSubmit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                buttonSubmitOnClick(v);
            }
        });
    }
    void buttonSubmitOnClick(View v) {
        String userInputName = String.valueOf(editTextName.getText()).trim();
        String message = "";
        if (userInputName.isEmpty()) {
            message = getResources().getString(R.string.empty_name_text);
        } else {
            message = getResources().getString(R.string.hello text)
                    + " <b style=\"color: #000;\">" + userInputName + " </b>!<br/>"
                    + getResources().getString(R.string.message_text);
        textViewResult.setText(Html.fromHtml(message));
    }
}
```

Thay đổi color của textview trong file xml

```
<TextView
    android:id="@+id/textViewResult"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="100dp"
    android:layout_marginEnd="24dp"
    android:textAlignment="center"
    android:textAppearance="@style/TextAppearance.AppCompat.Display1"
    android:textColor="@color/light_blue"
    android:textSize="24sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

