

Activity_main.xml

```
<?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"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/txtPrincipal"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        android:text="@string/txtPrincipal"
        android:textSize="24sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Spinner
        android:id="@+id/idspinner"
        android:layout_width="255dp"
        android:layout_height="50dp"
        android:layout_marginTop="50dp"
        android:background="@color/purple_200"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txtPrincipal" />

    <TextView
        android:id="@+id/txtMsjRuta"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="60dp"
        android:layout_marginLeft="60dp"
        android:layout_marginTop="50dp"
        android:text="@string/txtMsjRuta"
        android:textColor="#9C27B0"
        android:textSize="18sp"
        app:layout_constraintEnd_toStartOf="@+id/txtRuta"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/btn" />

    <TextView
        android:id="@+id/txtRuta"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="50dp"
        android:layout_marginEnd="60dp"
        android:layout_marginRight="60dp"
```

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        android:text="@string/txtRuta"
        android:textSize="18sp"
        android:visibility="invisible"
        app:layout_constraintBottom_toTopOf="@+id/txtMsjDioxido"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/btn"
        app:layout_constraintVertical_bias="0.0" />

```

<TextView

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        android:id="@+id/txtMsjDioxido"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="60dp"
        android:layout_marginLeft="60dp"
        android:layout_marginTop="20dp"
        android:text="@string/txtMsjDioxido"
        android:textColor="#9C27B0"
        android:textSize="18sp"
        app:layout_constraintEnd_toStartOf="@+id/txtDioxido"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txtMsjRuta" />

```

<TextView

```

        android:id="@+id/txtDioxido"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:layout_marginEnd="60dp"
        android:layout_marginRight="60dp"
        android:text="@string/txtDioxido"
        android:textSize="18sp"
        android:visibility="invisible"
        app:layout_constraintBottom_toTopOf="@+id/txtRutaCorta"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txtRuta"
        app:layout_constraintVertical_bias="0.0" />

```

<TextView

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        android:id="@+id/txtRutaCorta"
        android:layout_width="217dp"
        android:layout_height="82dp"
        android:layout_marginTop="40dp"
        android:gravity="center"
        android:text="@string/txtRutaCorta"
        android:textColor="#9C27B0"
        android:textSize="18sp"
        android:textStyle="bold"
        android:visibility="invisible"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txtMsjDioxido"
        app:layout_constraintVertical_bias="0.31" />

```

```
<Button
    android:id="@+id/btn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="50dp"
    android:text="@string/btn"
    android:textSize="14sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/idspinner" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Spinner__item.xml

```
<?xml version="1.0" encoding="utf-8"?>
<TextView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="?attr/dropdownListPreferredItemHeight"
    style="?attr/spinnerDropDownItemStyle"
    android:singleLine="true"
    android:textSize="16sp"
    android:textColor="@color/white"
    android:background="@drawable/abc_spinner_mtrl_am_alpha"
    android:backgroundTint="@color/white"
/>
```

Spinner_item_dropdown.xml

```
<?xml version="1.0" encoding="utf-8"?>
<TextView xmlns:android="http://schemas.android.com/apk/res/android"
    style="?attr/spinnerDropDownItemStyle"
    android:layout_width="match_parent"
    android:layout_height="?attr/dropdownListPreferredItemHeight"
    android:background="#F2F2F2"
    android:gravity="center"
    android:singleLine="true"
    android:textAlignment="center"
    android:textColor="@color/purple_500" />
```