

## Source code address

[material-components-android/docs/components/Tabs.md at master · material-components/material-components-android \(github.com\)](https://github.com/material-components/material-components-android/blob/master/docs/components/Tabs.md)

## Steps

1. Implement the TabLayout (container) together with its items in main\_activity.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">

    <com.google.android.material.tabs.TabLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/tabLayout"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.515"
        tools:layout_editor_absoluteX="28dp">

        <com.google.android.material.tabs.TabItem
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="label_1" />

        <com.google.android.material.tabs.TabItem
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="label_2" />

    </com.google.android.material.tabs.TabLayout>

</androidx.constraintlayout.widget.ConstraintLayout>
```

2. In Java code, instantiate and add action listener to the TabLayout. Override the 3 methods. Use the position parameter to indicate which tab is selected, where position 0 corresponds to the first tab clicked.

```
TabLayout tab = findViewById(R.id.tabLayout);
tab.addOnTabSelectedListener(new TabLayout.OnTabSelectedListener() {
    1 usage
    @Override
    public void onTabSelected(TabLayout.Tab tab) {

        int position = tab.getPosition();
        switch(position){
            case 0:
                // Handle tab 1 select
                Toast.makeText(context: MainActivity.this, text: "tab 1 selected", Toast.LENGTH_SHORT).show();
                break;
            case 1:
                // Handle tab 2 select
                Toast.makeText(context: MainActivity.this, text: "tab 2 selected", Toast.LENGTH_SHORT).show();
                break;
            default:
                break;
        }
    }
    1 usage
    @Override
    public void onTabUnselected(TabLayout.Tab tab) {
        // Handle tab unselect
    }
    1 usage
    @Override
    public void onTabReselected(TabLayout.Tab tab) {
        // Handle tab reselect
    }
});
```