

## Tab Layout, View Pager 2, Shared Preferences

- material design ui

```
< com.google.android.material.tabs.TabLayout
```

```
    android:layout_height = "match_parent"  
    android:layout_width = "match_parent"  
    " " id = "@+id/tablayout"
```

/>

inside Linear Layout

```
< androidx.viewpager2.widget.ViewPager2
```

```
    android:layout_width = "match.parent"  
    " " height  
    android:id = "@+id/viewpager2"
```

- Multiple fragments as a data for view pager

- So, adapter needed

- hooks for viewpager in the java file for that layout

- viewpager used for swiping

```
</linearlayout>
```

Adapter

=  
name

```
public class adapter extends FragmentStateAdapter{  
    public adapter (@NonNull FragmentActivity fragmentActivity {  
        super(fragmentActivity)  
    }  
    @NonNull  
    @Override  
    public Fragment createFragment (int position) {  
        switch (position) {  
            case 0:  
                return new ChatFragment();  
            case 1:  
                return new CallsFragment();  
            case 2:  
                return new SettingFragment();  
            default:  
                return new ChatFragment();  
        }  
    }  
}
```

@ Override

```
public int getCount() {  
    return 3;  
}
```

X ————— X  
create hooks in main activity  
=

```
public class whatsapp extends AppCompatActivity {
```

```
tabLayout tabLayout;  
viewPager2 viewPager2;  
viewPagerAdapter adapter;
```

// hooks

```
tabLayout = findViewById(R.id.tabLayout);  
viewPager2 = findViewById(R.id.viewPager2);  
adapter = new ViewPagerAdapter(this);  
viewPager2.setAdapter(adapter);
```

TabLayoutMediator mediator = new TabLayoutMediator(tabLayout, viewPager2, new TabLayoutMediator.TabConfigurationStrategy {

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