



Experiment No - 7

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Branch: CSE

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Subject Code: 20CSP356

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Section/Group: DM_714 (A)

Subject Name: MAD Lab

Aim: Create an Android application using Fragments.

Objective: Develop an application to use Android fragments that are the main component in android development, it's added fragment component, primarily to support more dynamic and flexible. Fragments are a usable portion of the user interface in an activity. In Activity, we can use multiple fragments. Fragments have their own life cycle, but its directly affected by the Activity life cycle. One Fragment can use in Multiple Activities.that incorporates both checkbox and radio button elements into its user interface. These two types of UI elements can provide users with different ways to make selections, depending on the context of the application.

Script and Output:

Source Code:

```
package com.example.experiment_7;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.MenuItem;
import android.widget.Switch;

import com.google.android.material.bottomnavigation.BottomNavigationView;
import com.google.android.material.navigation.NavigationBarView;

public class MainActivity extends AppCompatActivity {

    BottomNavigationView bottomNavigationView;
```

```
Homefragment homefragment = new Homefragment();
NotificationFragment notificationFragment = new NotificationFragment();
SettingFragment settingFragment = new SettingFragment();
```

@Override

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    bottomNavigationView = findViewById(R.id.bottom_navigation);
    getSupportFragmentManager().beginTransaction().replace(R.id.frame_container, homefragment).commit();
    bottomNavigationView.setOnItemSelectedListener(new
```

```
NavigationBarView.OnItemSelectedListener() {
```

@Override

```
public boolean onNavigationItemSelected(MenuItem item) {
    switch (item.getItemId()) {
```

```
        case R.id.nav_home:
```

```
            getSupportFragmentManager().beginTransaction().replace(R.id.frame_container, homefragment).commit();
            return true;
```

```
        case R.id.nav_notifications:
```

```
            getSupportFragmentManager().beginTransaction().replace(R.id.frame_container, notificationFragment).commit();
            case R.id.nav_settings:
```

```
            getSupportFragmentManager().beginTransaction().replace(R.id.frame_container, settingFragment).commit();
        }
```

```
        return false;
```

```
    }
```

```
});
```

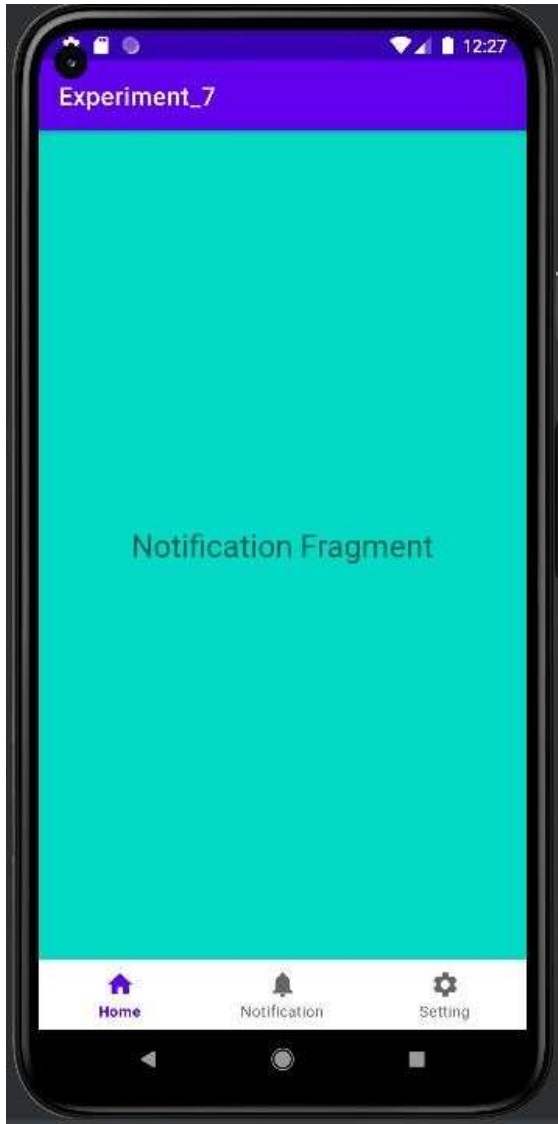
```
}
```

```
}
```



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