MOBILE APPLICATIONS LAB 3 SPLASH SCREEN

NAME: LENA GEO

REGISTER NUMBER: 2241139

CLASS: 5 BCA-'B'

A splash screen in mobile app development is an introductory screen that appears when an app is launched, displaying a logo, app name, or other branding elements. It provides a visually appealing transition while the app is loading and initializing, enhancing the user experience by reducing the perception of wait time.

CODE:

MainActivity.kt

IntroActivity.kt

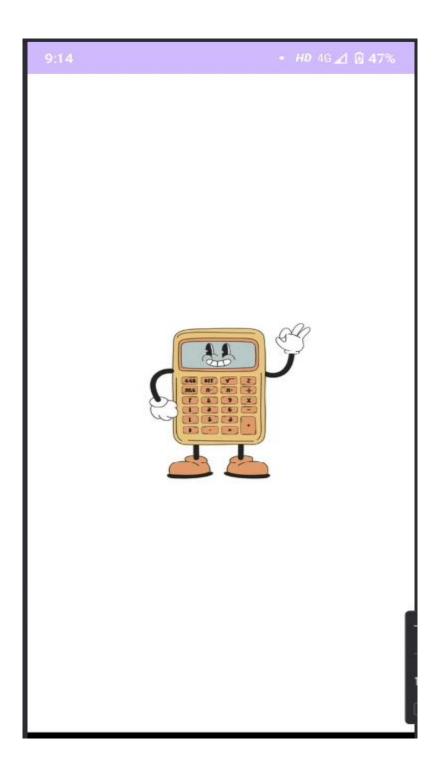
LoadingActivity.kt

Calculator Activity.kt

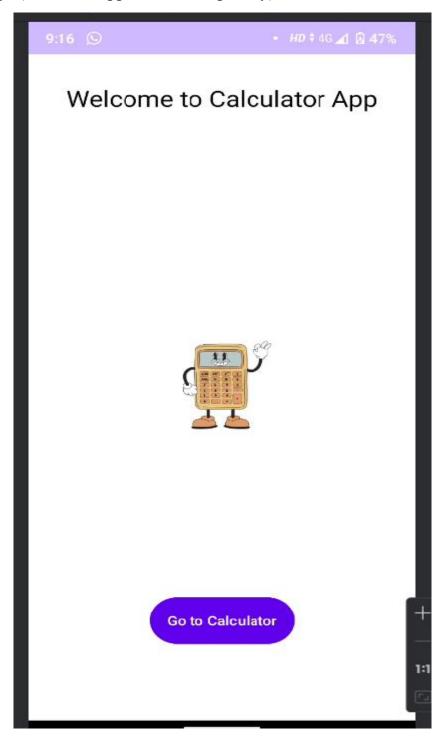
```
MainActivity.kt
                   @ IntroActivity.kt
                                       @ LoadingActivity.kt
                                                              package com.example.lab3
 8 ▷ ♦ class CalculatorActivity : AppCompatActivity() {
             override fun onCreate(savedInstanceState: Bundle?) {
                 super.onCreate(savedInstanceState)
                 setContentView(R.layout.activity_calculator)
                 display = findViewById(R.id.display)
                 setupButtons()
                 val buttons = listOf(
                     R.id.<u>button_3</u> to "3", R.id.<u>button_4</u> to "4", R.id.<u>button_5</u> to "5",
                     R.id. button_6 to "6", R.id. button_7 to "7", R.id. button_8 to "8",
                      R.id. button_9 to "9", R.id. button_add to "+", R.id. button_subtract to "-",
                      R.id. button_multiply to "x", R.id. button_divide to "/",
                      R.id. button_equals to "=", R.id.button_clear to "AC",
                      R.id.<u>button_decimal</u> to "."
```

OUTPUT:

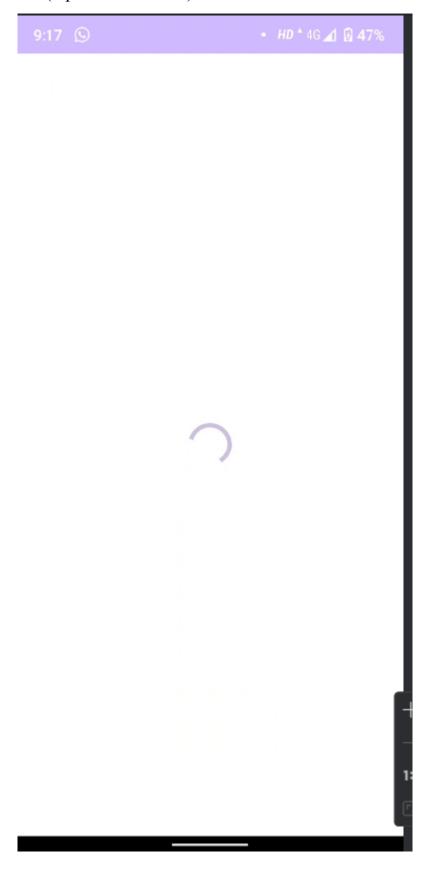
First splash screen on app opening:



2nd Activity: (transition applied for complexity)



2nd Splash Screen(upon button click)



4th Activity with calculator functionalities:

