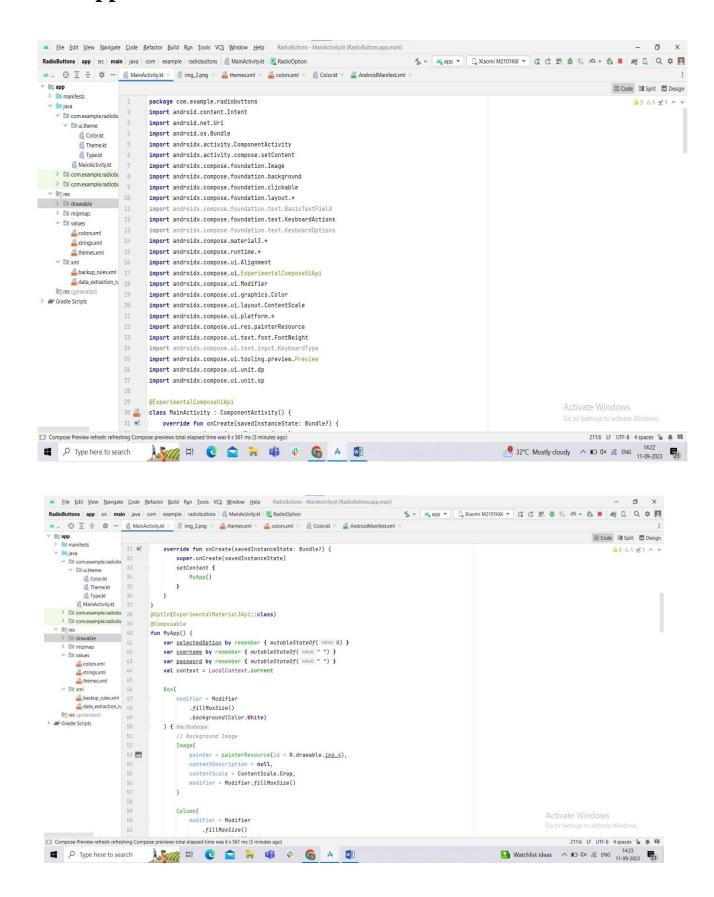
SMART BRIDGE- ANDROID APP DEVELOPMENT

ASSIGNMENT-3 REPORT

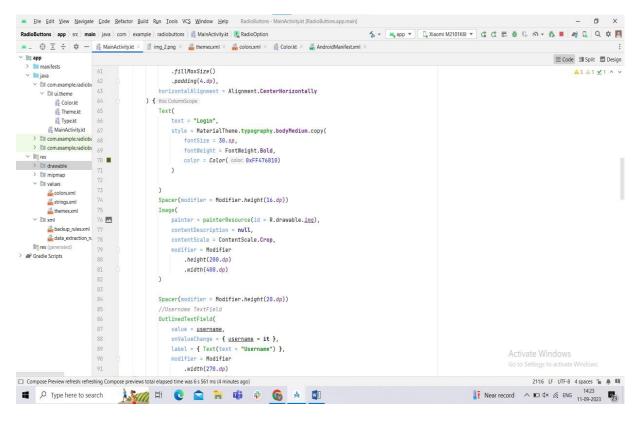
Name: Adit Nandi

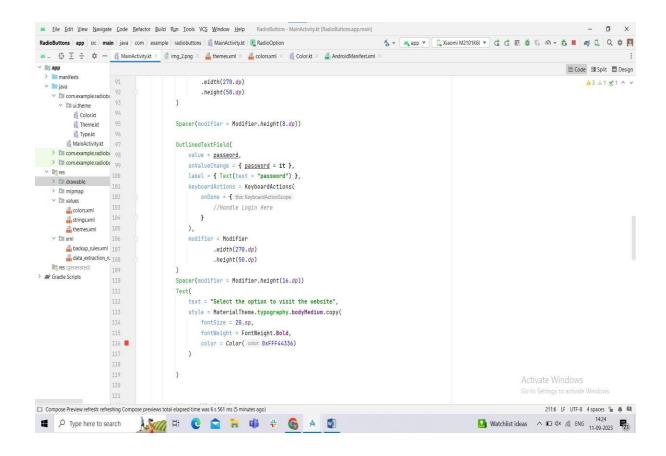


Snippets of the code

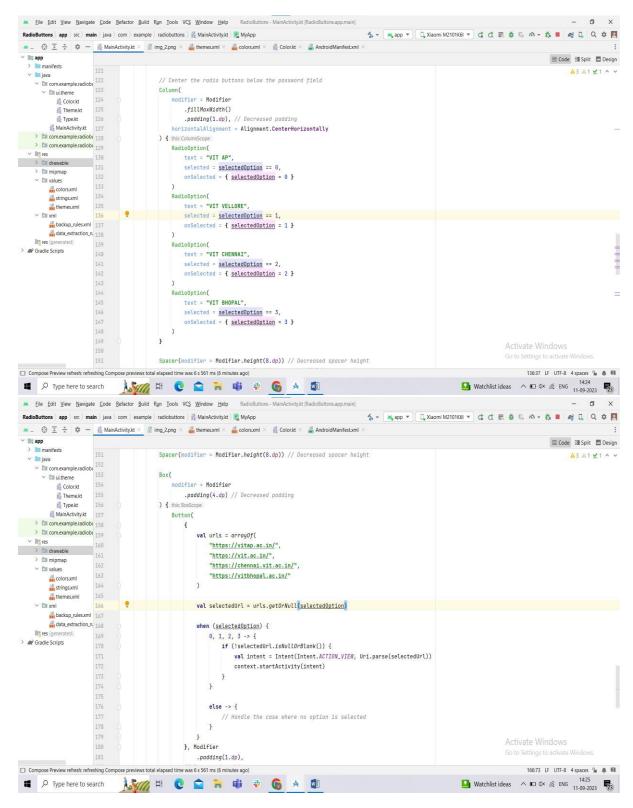














```
    ■ Elle Edit Yiew Navigate Code Befactor Build Run Iools VCS Window Help RadioButtons - MainActivity.kt (RadioButtons.app.)

                                                                                                                   liobuttons ) 🦺 MainActivity.kt ) 🌊 MyApp
🛎 _ 🚷 🖫 😤 — 🦺 MainActivity.kt × 🐇 img_2.png × 🝰 themes.xml × 🝰 colors.xml × 🛍 Color.kt × 👼 AndroidManifest.xml
                                                                                                                                                                               ■ Code ■ Split ■ Design
                                                 ) { this RowScope

Text( text "Click Here To Open The Website!!!", color = Color.Black)
                                            }}}}
     Type.kt 189
MainActivity.kt 190
Com.example.radiobi 191
Com.example.radiobi 192
                                fun RadioOption(
text: String,
                                    selected: Boolean
                                     onSelected: () -> Unit
                                        modifier = Modifier
.fillMaxWidth()
.padding(2.dp)
        colors.xml
                                    .clickable
verticalAlignme
) { this RowScore
                                             .clickable { onSelected() }.
                                                         nt = Alignment.CenterVertically // Align content vertically
                                        selected = selected,
onClick = { onSelected() }
                                         Spacer(modifier = Modifier.width(8.dp))
Text(text)
                                   }
                                 @OptIn(ExperimentalComposeUiApi::class)
                        MyApp()
```

CODE:

```
package com.example.radiobuttons
import android.content.Intent
import android.net.Uri
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
import androidx.compose.foundation.clickable
import androidx.compose.foundation.layout.*
import androidx.compose.foundation.text.BasicTextField
import androidx.compose.foundation.text.KeyboardActions
import androidx.compose.foundation.text.KeyboardOptions
import androidx.compose.material3.*
import androidx.compose.runtime.*
import androidx.compose.ui.Alignment
import androidx.compose.ui.ExperimentalComposeUiApi
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.layout.ContentScale
import androidx.compose.ui.platform.*
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.text.input.KeyboardType
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
@ExperimentalComposeUiApi
class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent:
            MyApp()
    }
@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun MyApp() {
```



```
var selectedOption by remember {mutableStateOf( 0)}
var username by remember {mutableStateOf( " ")}
var password by remember {mutableStateOf( " ")}
val context = LocalContext.current
Box (
    modifier = Modifier
        .fillMaxSize()
        .background(Color.White)
) {
    // Background Image
    Image (
        painter = painterResource(id = R.drawable.img 4),
        contentDescription = null,
        contentScale = ContentScale.Crop,
        modifier = Modifier.fillMaxSize()
    )
    Column (
        modifier = Modifier
            .fillMaxSize()
            .padding(4.dp),
        horizontalAlignment = Alignment.CenterHorizontally
    ) {
        Text (
            text = "Login",
            style = MaterialTheme.typography.bodyMedium.copy(
                fontSize = 30.sp,
                fontWeight = FontWeight.Bold,
                color = Color(0xFF476810)
            )
        Spacer(modifier = Modifier.height(16.dp))
        Image (
            painter = painterResource(id = R.drawable.img),
            contentDescription = null,
            contentScale = ContentScale.Crop,
            modifier = Modifier
                .height(200.dp)
                .width(400.dp)
        )
        Spacer (modifier = Modifier.height(20.dp))
        //Username TextField
        OutlinedTextField(
            value = username,
            onValueChange = {username =it },
            label = { Text(text = "Username")},
            modifier = Modifier
                .width(270.dp)
                .height(50.dp)
        )
        Spacer(modifier = Modifier.height(8.dp))
        OutlinedTextField(
            value = password,
            onValueChange = {password =it },
            label = { Text(text = "password")},
            keyboardActions = KeyboardActions(
```



```
onDone = {
                        //Handle Login Here
                    }
                ),
                modifier = Modifier
                         .width(270.dp)
                         .height(50.dp)
            Spacer(modifier = Modifier.height(16.dp))
            Text(
                text = "Select the option to visit the website",
                style = MaterialTheme.typography.bodyMedium.copy(
                    fontSize = 20.sp,
                    fontWeight = FontWeight.Bold,
                    color = Color(0xFFF44336)
                )
            )
            // Center the radio buttons below the password field
            Column (
                modifier = Modifier
                     .fillMaxWidth()
                     .padding(1.dp), // Decreased padding
                horizontalAlignment = Alignment.CenterHorizontally
            ) {
                RadioOption(
                    text = "VIT AP",
                    selected = selectedOption == 0,
                    onSelected = {selectedOption = 0 }
                )
                RadioOption (
                    text = "VIT VELLORE",
                    selected = selectedOption == 1,
                    onSelected = {selectedOption = 1 }
                )
                RadioOption(
                    text = "VIT CHENNAI",
                    selected = selectedOption == 2,
                    onSelected = {selectedOption = 2 }
                )
                RadioOption(
                    text = "VIT BHOPAL",
                    selected = selectedOption == 3,
                    onSelected = {selectedOption = 3 }
                )
            }
            Spacer (modifier = Modifier.height(8.dp)) // Decreased spacer
height
            Box (
                modifier = Modifier
                    .padding(4.dp) // Decreased padding
            ) {
                Button (
                        val urls =arrayOf(
                             "https://vitap.ac.in/",
                             "https://vit.ac.in/",
```



```
"https://chennai.vit.ac.in/",
                              "https://vitbhopal.ac.in/"
                         )
                         val selectedUrl = urls.getOrNull(selectedOption)
                         when (selectedOption) {
                              0, 1, 2, 3 \rightarrow \{
                                  if (!selectedUrl.isNullOrBlank()) {
                                      val intent = Intent(Intent.ACTION_VIEW,
Uri.parse(selectedUrl))
                                      context.startActivity(intent)
                                  }
                              }
                              else -> {
                                  // Handle the case where no option is
selected
                         }
                     }, Modifier
                         .padding(1.dp),
                     // Decreased padding
                ) {
                     Text("Click Here To Open The Website!!!", color =
Color.Black)
                 }
            }
        }
    }
@Composable
fun RadioOption(
    text: String,
    selected: Boolean,
    onSelected: () -> Unit
) {
    Row (
        modifier = Modifier
            .fillMaxWidth()
            .padding(2.dp)
             .clickable{onSelected()},
        verticalAlignment = Alignment.CenterVertically // Align content
vertically
    ) {
        RadioButton (
            selected = selected,
            onClick = {onSelected()}
        Spacer(modifier = Modifier.width(8.dp))
        Text(text)
    }
@OptIn(ExperimentalComposeUiApi::class)
@Composable
@Preview(showBackground = true)
fun PreviewMyApp() {
    MyApp()
}
```

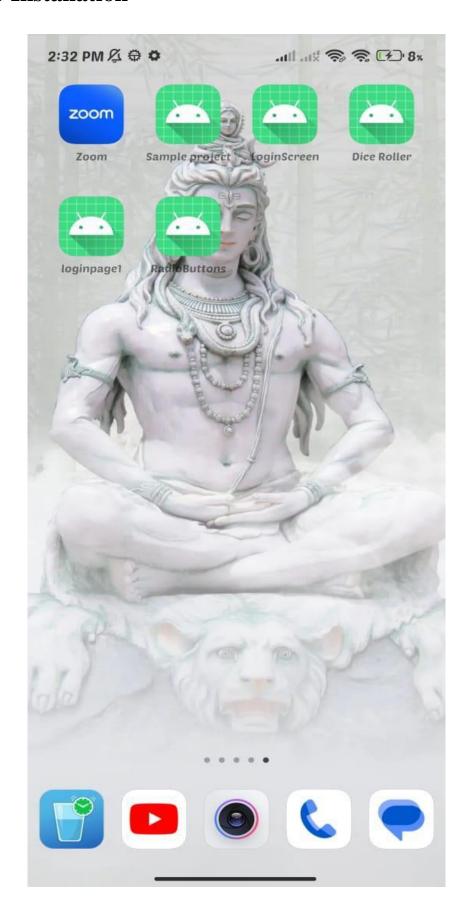


Installing the app into device via USB





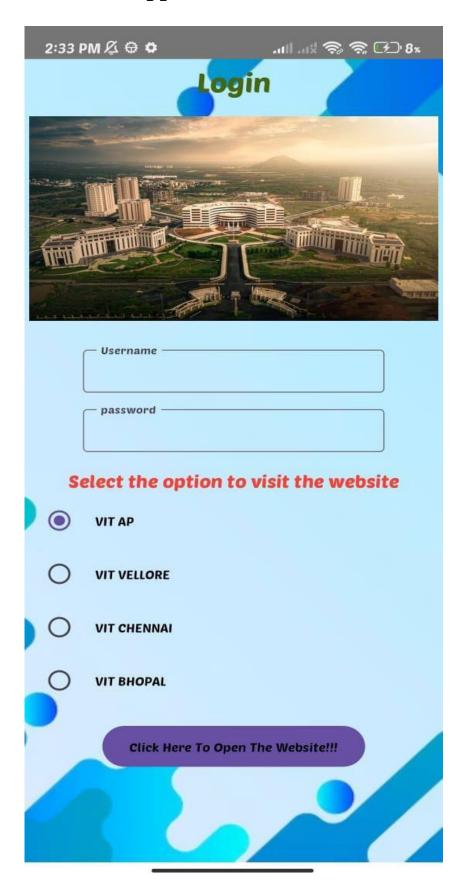
After Installation







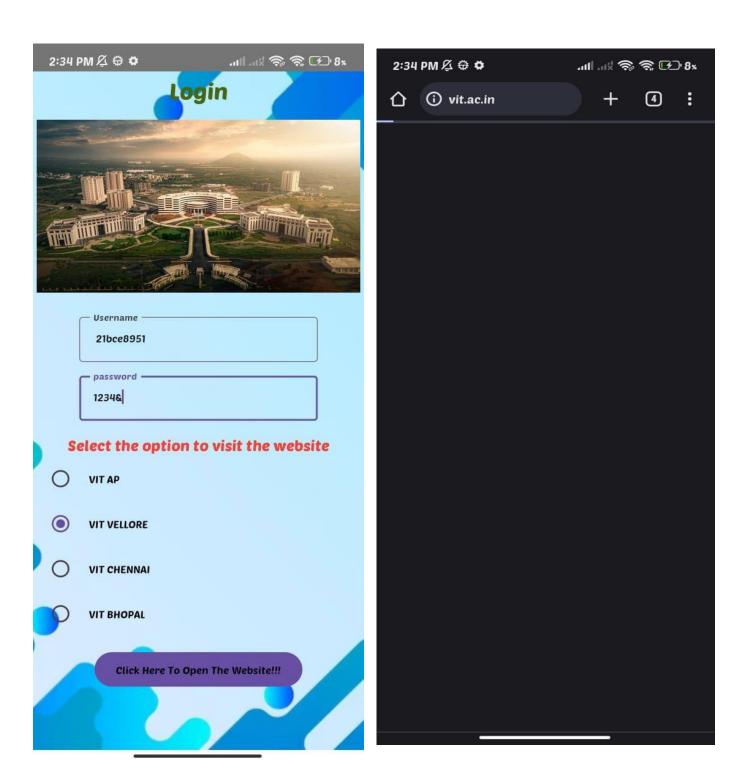
Intial Screen of the application







Redirecting to the respective web page after the credentials are provided



THE END

