Task-2(a)

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USN:1NT20IS182 XML CODE:

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| --- |
| <?xml version="1.0" encoding="utf-8"?>  <LinearLayout 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" android:orientation="vertical" android:padding="16dp"  tools:context=".MainActivity">    <TextView  android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Hello, Android!" android:textSize="24sp" />  </LinearLayout> |

MainActivity.kt code:

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| --- |
| package com.example.myapplication    import android.os.Bundle import android.widget.Toast  import androidx.activity.ComponentActivity import androidx.activity.compose.setContent import androidx.compose.foundation.layout.fillMaxSize import androidx.compose.material3.MaterialTheme import androidx.compose.material3.Surface import androidx.compose.material3.Text import androidx.compose.runtime.Composable import androidx.compose.ui.Modifier  import androidx.compose.ui.tooling.preview.Preview  import com.example.myapplication.ui.theme.MyApplicationTheme    class MainActivity : ComponentActivity() {  override fun onCreate(savedInstanceState: Bundle?) { super.onCreate(savedInstanceState) *setContent* **{**  MyApplicationTheme **{** Surface(  modifier = Modifier.*fillMaxSize*(),  color = MaterialTheme.colorScheme.background  ) **{**  Greeting("Android")  **}**  **}**  **}**  Toast.makeText(this, "ACTIVITY CREATED", Toast.*LENGTH\_SHORT*).show()  } |
| override fun onStart() { super.onStart()  Toast.makeText(this, "ACTIVITY STARTED", Toast.*LENGTH\_SHORT*).show()  }  override fun onResume() { super.onResume()  Toast.makeText(this, "ACTIVITY RESUMED", Toast.*LENGTH\_SHORT*).show()  }  override fun onPause() { super.onPause()  Toast.makeText(this, "ACTIVITY PAUSED", Toast.*LENGTH\_SHORT*).show()  }  override fun onStop() { super.onStop()  Toast.makeText(this, "ACTIVITY STOPPED", Toast.*LENGTH\_SHORT*).show()  }  override fun onDestroy() { super.onDestroy()  Toast.makeText(this, "ACTIVITY DESTROYED",  Toast.*LENGTH\_SHORT*).show()  }    @Composable  fun Greeting(name: String, modifier: Modifier = Modifier) { Text(  text = "Hello $name!", modifier = modifier  )  }    @Preview(showBackground = true)  @Composable  fun GreetingPreview() { MyApplicationTheme **{**  Greeting("Android")  **}**  }  } |

Screenshots:

