



Centurion
UNIVERSITY
*Shaping Lives...
Empowering Communities...*

School: Campus:

Academic Year: Subject Name: Subject Code:

Semester: Program: Branch: Specialization:

Date:

Applied and Action Learning

(Learning by Doing and Discovery)

Name of the Experiment :

Coding Phase: Pseudo Code / Flow Chart / Algorithm

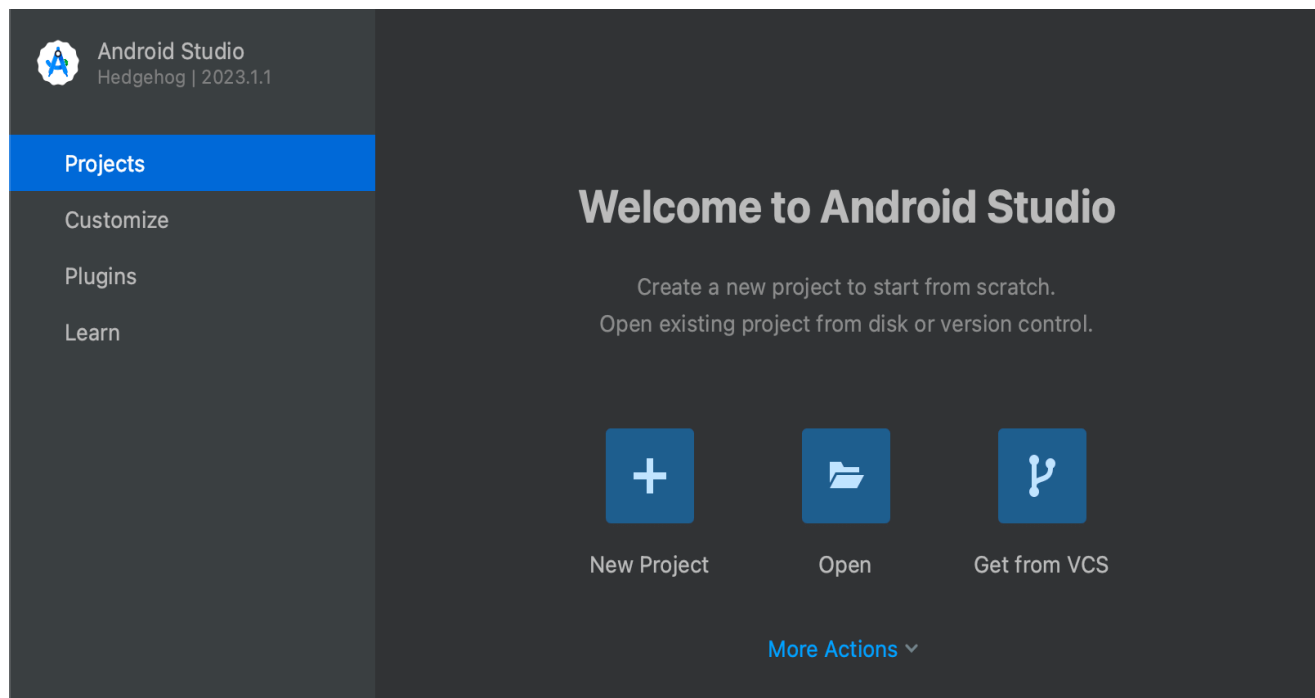
Testing Phase: Compilation of Code (error detection)

```
© MainActivity.java C:\Users\HP\AndroidStudioProjects\Halo_worldapp\app\src\main\java\com\example\hallo_worldapp 4 problems
❗ Package name 'com.example.halloworld' does not correspond to the file path 'com.example.hallo_worldapp' :1
❗ Cannot resolve symbol 'R' :12
❗ Cannot resolve symbol 'R' :14
❗ Cannot resolve symbol 'R' :15
```

```
</> strings.xml C:\Users\HP\AndroidStudioProjects\Halo_worldapp\app\src\main\res\values 3 problems
❗ 'hello_world' has already been defined in this folder (Previously defined here) :3
❗ 'hello_world' has already been defined in this folder :4
✔ Typo: In word 'Sasmita' :3
```

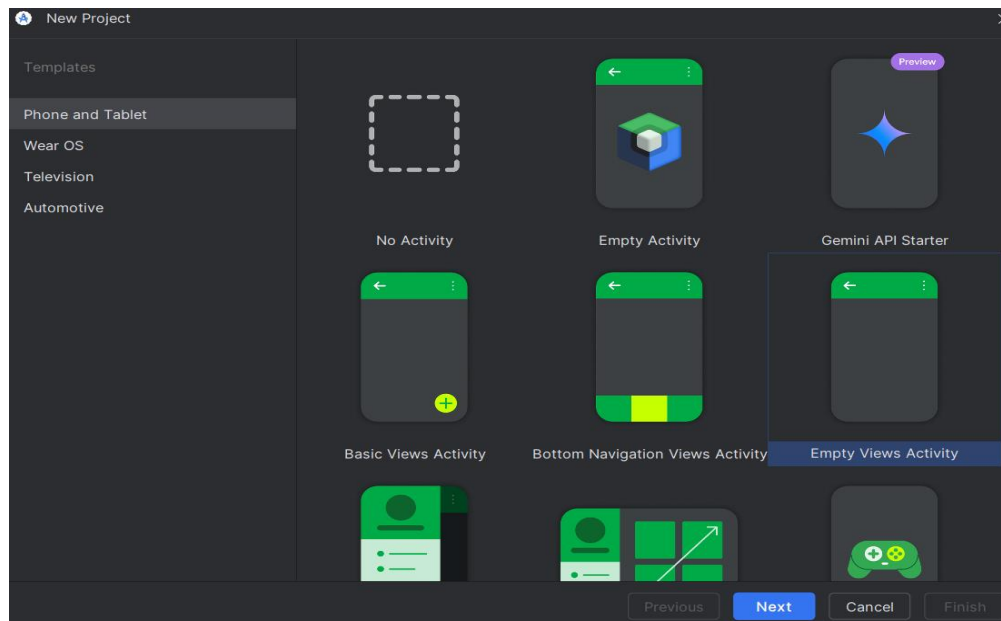
Implementation Phase: Final Output(no error)

1. Click on "New Project".



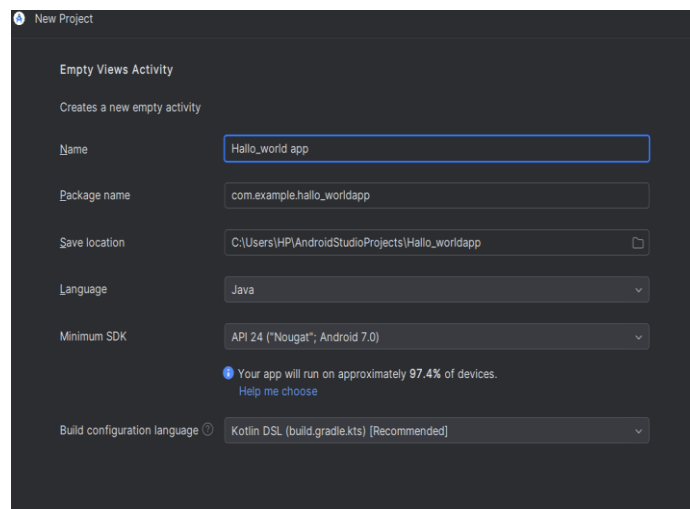
Implementation Phase: Final Output(no error)

Select "Empty Activity" and click Next.



Enter the project details:

- Name: HelloWorld -- Language: Java



Modify (Color.xml)



Implementation Phase: Final Output(no error)

Modify the Layout (activity_main.xml)

1. Open res/layout/activity_main.xml.
2. Modify the default TextView to display "Hallo Sasmita":

```

1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:id="@+id/main"
6      android:layout_width="match_parent"
7      android:layout_height="match_parent"
8      android:background="#FFFF00"
9      tools:context=".MainActivity">
10
11      <TextView
12          android:id="@+id/textView"
13          android:layout_width="wrap_content"
14          android:layout_height="wrap_content"
15          android:text="@string/hello_world"
16          android:textStyle="bold"
17          android:textSize="32sp"
18          android:textColor="@color/blue"
19          app:layout_constraintBottom_toBottomOf="parent"
20          app:layout_constraintEnd_toEndOf="parent"
21          app:layout_constraintStart_toStartOf="parent"
22          app:layout_constraintTop_toTopOf="parent" />
23
24  </androidx.constraintlayout.widget.ConstraintLayout>

```

Modify (String.xml)

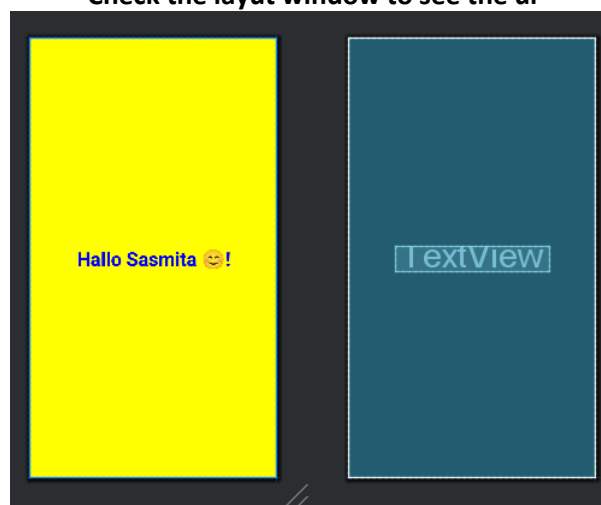
1. Open res/values/strings.xml.

```

1  <resources>
2      <string name="app_name">Hallo_world app</string>
3      <string name="hello_world">Hallo Sasmita 😊!</string>
4
5  </resources>

```

Check the layout window to see the ui



1. Click Run
2. Select an emulator or a connected Android device.



ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/ Practical Simulation/ Programming	10		
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	50		

