Experiment-9

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SECTION: 714/A	BRANCH: B.E CSE
SUBJECT: MAD LAB	**Subject Code:** 20CSP-356

AIM:- Design the Android application using menus and action bar.

CODE

File: Activity_main.xml

```xml
<?xml version="1.0" encoding="u7-8"?>

<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="hCp://schemas.android.com/apk/res/android"
xmlns:app="hCp://schemas.android.com/apk/res-auto"
xmlns:tools="hCp://schemas.android.com/tools" android:layout_width="match_parent"
android:layout_height="match_parent" tools:context=".MainAcJvity">


<TextViewandroid:layout_width="wrap_content"
android:layout_height="wrap_content" android:text="Hello World!"
app:layout_constraintBoCom_toBoComOf="parent "
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent" app:layout_constraintTop_toTopOf="parent"
/>      androidx.constraintlayout.widget.ConstraintLayout>
```

File: menu.xml

```xml
<?xml version="1.0" encoding="u7-8"?>

<menu xmlns:android="hCp://schemas.android.com/apk/res/android"> <item android:id="@+id/file"
android:Jtle="File">

<menu>

<item android:id="@+id/status" android:Jtle="Status"></item>

  <item android:id="@+id/call" android:Jtle="Calls"></item>


</menu>


</item>
```
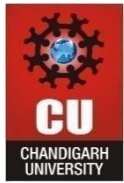
```xml
<item android:id="@+id/coding" android:Jtle="Coding"></item>

        <item android:id="@+id/programming" android:Jtle="Programming"></item>

    </menu>
```

File: MainActivity.java package
com.example.experiment9_menu;

```java
import                androidx.annotaJon.NonNull;                import

androidx.appcompat.app.AppCompatAcJvity;

import        android.os.Bundle;        import android.view.Menu;        import

android.view.MenuInflater; import android.view.MenuItem;
            import

android.widget.Toast;   import java.uJl.zip.Inflater; public class
MainAcJvity extends AppCompatAcJvity {

        @Override     protected void onCreate(Bundle

        savedInstanceState)

        { super.onCreate(savedInstanceState); setContentView(R.layout.activity_main);
        }


        @Override     public boolean onOpJonsItemSelected(@NonNull

        MenuItem item) { switch(item.getItemId()){ case R.id.coding:

                    Toast.makeText(MainAcJvity.this, "Coding",

        Toast.LENGTH_SHORT).show(); return true;

    case R.id.programming:

                                Toast.makeText(MainAcJvity.this, "Programming",
```

```java
Toast.LENGTH_SHORT).show();
                return true;

            case R.id.status:
                Toast.makeText(MainActivity.this, "Status",
Toast.LENGTH_SHORT).show();
                return true;

            case R.id.call:
                Toast.makeText(MainActivity.this, "Call",
Toast.LENGTH_SHORT).show();
                return true;

            default:
                return super.onOptionsItemSelected(item);
        }
    }

    @Override
    public boolean onCreatePanelMenu(int featureId, @NonNull Menu menu) {
        MenuInflater inflater=getMenuInflater();
        inflater.inflate(R.menu.menu, menu);
        return true;
    }
}
```
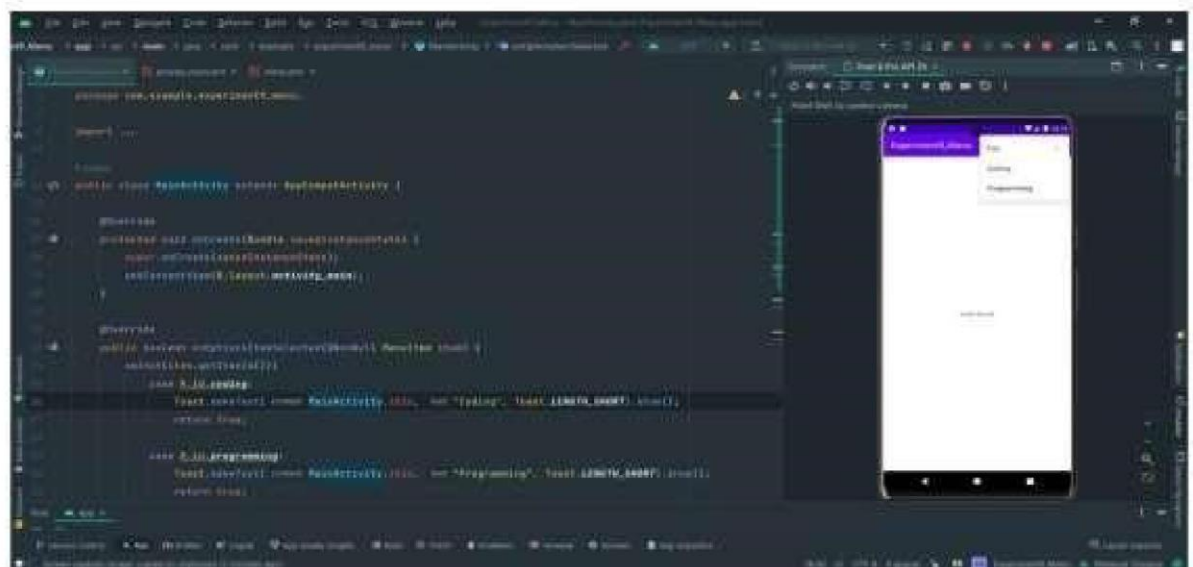
Output

Learning Outcome

1.) Learnt how to design application using xml coding.
2.) Learnt about menus in android.
3.) Learnt how to implement menus and nested menus using android studio.
4.) Learnt about which code should be implemented in xml and which should be implemented in xml to make an android application.