

Experiment – 3.3

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Subject Name: MAD Lab

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Aim: Design the Android application using menus and action bar

Objective:- The objective of designing an Android application using menus and the action bar is to create a user-friendly and consistent interface that allows users to navigate, access functionality, and perform actions efficiently.

1. CODE: XML:-

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android" >
    <item android:id="@+id/search_item"
        android:title="Search" />
    <item
        android:id="@+id/upload_item"
        android:title="Upload" />
    <item android:id="@+id/copy_item"
        android:title="Copy" />
    <item android:id="@+id/print_item"
        android:title="Print" />
    <item android:id="@+id/share_item"
        android:title="Share" />
    <item
        android:id="@+id/bookmark_item"
        android:title="BookMark" />
</menu>
<AbsoluteLayout
```

xmlns:android="<http://schemas.android.com/apk/res/android>"

xmlns:app="<http://schemas.android.com/apk/res-auto>"



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```
xmlns:tools="http://schemas.android.com/tools"
```

```
android:layout_width="fill_parent"
```

```
android:layout_height="fill_parent"
```

```
tools:context=".MainActivity">
```

```
    <!--Setting up TextViews-->
```

```
    <TextView
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_x="100px"
```

```
        android:layout_y="300px" />
```

```
    <TextView
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_x="120px"
```

```
        android:layout_y="350px" />
```

```
</AbsoluteLayout> <RelativeLayout
```

```
    android:layout_width="fill_parent"
```

```
    android:layout_height="fill_parent"
```



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```
xmlns:android="http://schemas.android.com/apk/res/a
```

```
ndroid">
```

```
<Button
```

```
android:id="@+id/button1"
```

```
android:layout_width="wrap_conte
```

```
nt"
```

```
android:layout_height="wrap_cont
```

```
ent"        android:text="Top Left
```

```
Button"
```

```
android:layout_alignParentLeft="tr
```

```
ue"
```

```
android:layout_alignParentTop="tr
```

```
ue"/>
```

```
<Button
```

```
android:id="@+id/button2"
```

```
android:layout_width="wrap_content
```

```
"
```

```
android:layout_height="wrap_content
```

```
"
```

```
    android:text="Top Right
```



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Button"

android:layout_alignParentTop="true

"

android:layout_alignParentRight="tru

e"/>

<Button

android:id="@+id/button3"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:text="Bottom Left Button"

android:layout_alignParentLeft="true"

android:layout_alignParentBottom="tr

ue"/>

android:id="@+id/button5"

android:layout_width="fill_parent"

android:layout_height="wrap_content"

android:text="Middle Button"

android:layout_centerVertical="true"



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```
android:layout_centerHorizontal="true
```

```
"/>
```

```
</RelativeLayout>
```

Java Code:-

```
import
```

```
androidx.appcompat.app.AppCompatActivity
```

```
ty; import android.os.Bundle; import
```

```
android.widget.TextView; public class
```

```
MainActivity extends AppCompatActivity
```

```
{
```

```
    TextView heading, subHeading;
```

```
    @Override    protected void
```

```
onCreate(Bundle savedInstanceState) {
```

```
    super.onCreate(savedInstanceState);
```

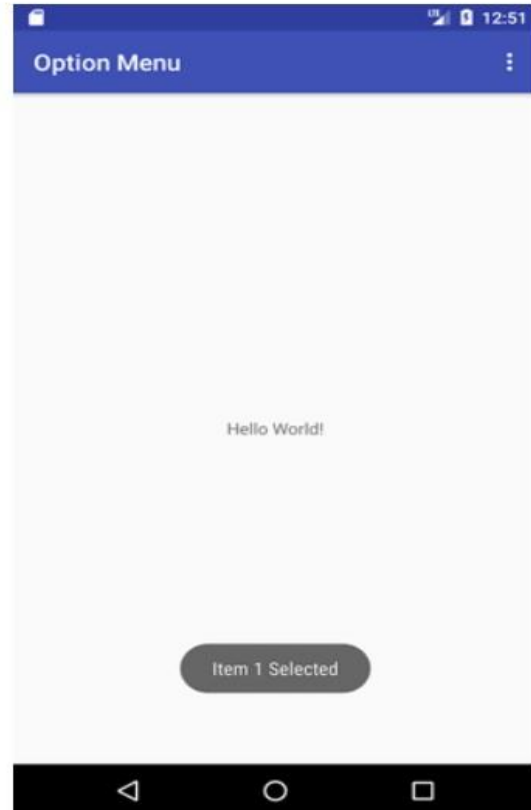
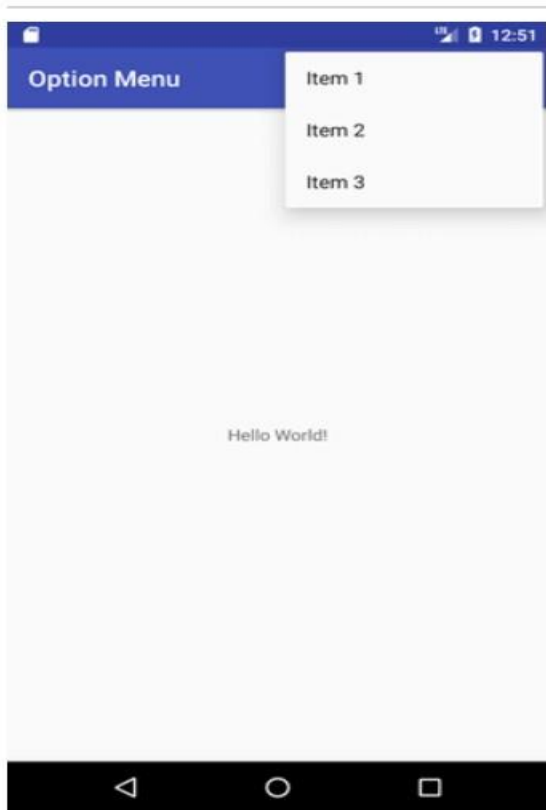
```
    setContentView(R.layout.activity_main);
```

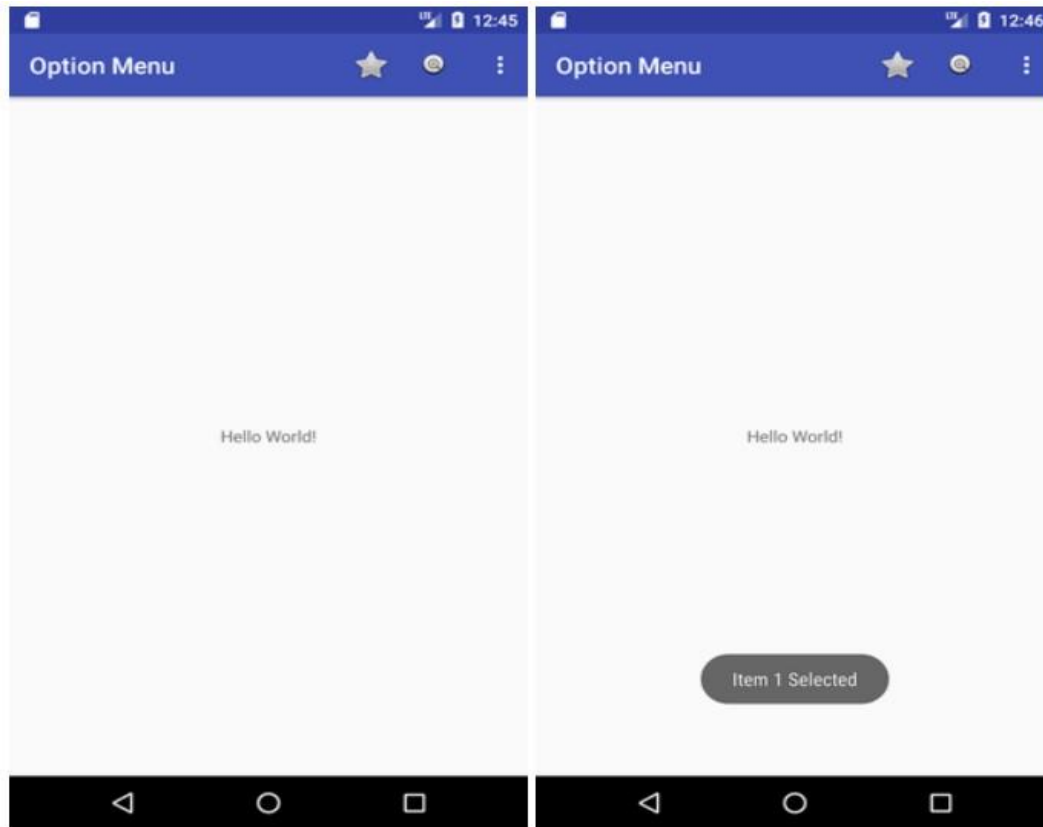
```
// Referencing the TextViews    heading =
```

```
(TextView) findViewById(R.id.heading);
```

```
subHeading = (TextView)  
  
findViewById(R.id.subHeading);  
  
}  
  
}
```

2. OUTPUT:





3. Learning Outcomes:

- Successful USE of your Android development environment.
- Project Workspace.
- Configuration button Completion.
- How to add new layouts