LAB #06
MOBILE APPLICATION
SUBMITTED BY :-
KAUSHAL AGARWAL (1947229)

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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:background="@color/purple_200"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/imageView4"
        android:layout_width="265dp"
        android:layout_height="119dp"
        android:layout_marginTop="12dp"
        android:contentDescription="@string/scenary"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.375"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/pexels"
        tools:srcCompat="@drawable/pexels" />

    <TextView
        android:id="@+id/nameLabel"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="52dp"
        android:layout_marginTop="152dp"
        android:text="@string/name"
        android:textAlignment="center"
        android:textColor="@color/white"
        android:textStyle="bold"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
```

```xml
        android:id="@+id/username"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="140dp"
        android:layout_marginTop="144dp"
        android:ems="10"
        android:hint="@string/usernameHint"
        android:inputType="textPersonName"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/ageLabel"
        android:layout_width="41dp"
        android:layout_height="23dp"
        android:layout_marginStart="56dp"
        android:layout_marginTop="224dp"
        android:text="@string/age"
        android:textAlignment="center"
        android:textColor="@color/white"
        android:textStyle="bold"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <RadioGroup
        android:id="@+id/ageGroup"
        android:layout_width="199dp"
        android:layout_height="147dp"
        android:layout_marginStart="140dp"
        android:layout_marginTop="192dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <RadioButton
            android:id="@+id/radioButton"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/_18_to_21" />

        <RadioButton
            android:id="@+id/radioButton2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/_22_to_30" />

        <RadioButton
            android:id="@+id/radioButton3"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/_31_to_50"
            tools:ignore="HardcodedText" />
    </RadioGroup>

    <TextView
        android:id="@+id/cityLabel"
        android:layout_width="46dp"
        android:layout_height="22dp"
        android:layout_marginStart="48dp"
        android:layout_marginTop="400dp"
```

```xml
            android:text="@string/city"
            android:textAlignment="textEnd"
            android:textColor="@color/white"
            android:textStyle="bold"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

    <CheckBox
            android:id="@+id/optionCityGuwahati"
            android:layout_width="103dp"
            android:layout_height="44dp"
            android:layout_marginStart="140dp"
            android:layout_marginTop="372dp"
            android:text="Guwahati"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

    <CheckBox
            android:id="@+id/optionCityBangalore"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="140dp"
            android:layout_marginTop="420dp"
            android:text="@string/bangalore"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

    <CheckBox
            android:id="@+id/optionCityMysore"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="140dp"
            android:layout_marginTop="468dp"
            android:text="@string/mysore"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

    <CheckBox
            android:id="@+id/optionCityDelhi"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="140dp"
            android:layout_marginTop="516dp"
            android:text="@string/delhi"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

    <Button
            android:id="@+id/submitButton"
            android:layout_width="235dp"
            android:layout_height="0dp"
            android:layout_marginTop="616dp"
            android:text="@string/submit"
            android:textStyle="bold"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            tools:ignore="HardcodedText" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

main_activity.java

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.detailslab6">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.DetailsLab6">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

strings.xml

```xml
<resources>
    <string name="app_name">detailsLab6</string>
    <string name="scenary">Scenary</string>
    <string name="name">Name :</string>
    <string name="username">Username</string>
    <string name="age">Age :</string>
    <string name="_18_to_21">18 to 21</string>
    <string name="_22_to_30">22 to 30</string>
    <string name="_31_to_50">31 to 50</string>
    <string name="city">City :</string>
    <string name="surat">Surat</string>
    <string name="bangalore">Bangalore</string>
    <string name="mysore">Mysore</string>
    <string name="delhi">Delhi</string>
    <string name="submit">Submit</string>
    <string name="usernameHint">Username</string>
</resources>
```

OUTPUT SS

detailsLab6

Name : Kaushal

Age :
- ⦿ 18 to 21
- ◉ 22 to 30
- ⦿ 31 to 50

City :
- ☑ Guwahati
- ☑ Bangalore
- ☐ Mysore
- ☐ Delhi

Username: Kaushal
Age Group: 22 to 30
Preferred City: Guwahati, Bangalore

SUBMIT