- 1. Design an App Activity that finds the distance between Guntur to Chennai. When the chip buttons car is clicked then the time 7hrs should display in the textfield1, when bike is clicked 9hrs should display in second text field, when train chip button is pressed 6hrs should display and when run chip button is pressed then 40hrs should display in fourth textfield. When the arrow button is clicked, the edit Text should be swapped.
- 2.Design an App that plans three events by selecting the time form the time picker. On Clicking Submit send the three times to the second Activity and display the event plan. Write Java and XML Code for both the activities.

## MainActivity.java

```
package com.example.eventdetails;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TimePicker;
public class MainActivity extends AppCompatActivity {
       TimePicker timePicker;
       EditText et1,et2,et3;
       Button b1,b2,b3,submit;
       @Override
       protected void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity main);
       et1=findViewById(R.id.et1);
       et2=findViewById(R.id.et2);
       et3=findViewById(R.id.et3);
       timePicker=findViewById(R.id.TimePicker1);
       b1=findViewById(R.id.b1);
       b2=findViewById(R.id.b2);
       b3=findViewById(R.id.b3);
       submit=findViewById(R.id.submit);
       b1.setOnClickListener(new View.OnClickListener() {
       @Override
```

```
public void onClick(View v) {
       String
currentTime=+timePicker.getCurrentHour()+":"+timePicker.getCurrentMinute();
       et1.setText(currentTime);
       }
       });
       b2.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View v) {
       String
currentTime=timePicker.getCurrentHour()+":"+timePicker.getCurrentMinute();
       et2.setText(currentTime);
       }
       });
       b3.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View v) {
       String
currentTime=timePicker.getCurrentHour()+":"+timePicker.getCurrentMinute();
       et3.setText(currentTime);
       });
       submit.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View v) {
       Intent i = new Intent(getApplicationContext(),display.class);
       Bundle bundle = new Bundle();
       bundle.putString("Event1",et1.getText().toString());
       bundle.putString("Event2",et2.getText().toString());
       bundle.putString("Event3",et3.getText().toString());
       i.putExtras(bundle);
       startActivity(i);
       }
       });
}
activity_main.xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</p>
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"

```
tools:context=".MainActivity">
<Button
android:id="@+id/b3"
android:layout width="90dp"
android:layout height="47dp"
android:layout_marginStart="24dp"
android:layout marginLeft="24dp"
android:text="Set"
app:layout constraintStart toEndOf="@+id/et3"
app:layout_constraintTop_toTopOf="@+id/et3"/>
<EditText
android:id="@+id/et3"
android:layout width="126dp"
android:layout_height="43dp"
android:layout marginStart="28dp"
android:layout marginLeft="28dp"
android:ems="10"
android:hint="set time"
android:inputType="textPersonName"
app:layout_constraintStart_toEndOf="@+id/t3"
app:layout_constraintTop_toTopOf="@+id/t3"/>
<TextView
android:id="@+id/t3"
android:layout width="wrap content"
android:layout height="wrap content"
android:layout_marginStart="24dp"
android:layout marginLeft="24dp"
android:text="Event3"
android:textSize="30sp"
app:layout constraintStart toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/t2"/>
<Button
android:id="@+id/b2"
android:layout width="90dp"
android:layout height="47dp"
android:layout_marginStart="24dp"
android:layout_marginLeft="24dp"
android:text="Set"
app:layout constraintStart toEndOf="@+id/et2"
app:layout_constraintTop_toTopOf="@+id/et2" />
<TextView
android:id="@+id/t2"
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:layout marginStart="24dp"
android:layout marginLeft="24dp"
android:text="Event2"
android:textSize="30sp"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/t1" />
<EditText
android:id="@+id/et2"
android:layout_width="126dp"
android:layout height="43dp"
android:layout marginStart="28dp"
android:layout_marginLeft="28dp"
android:ems="10"
android:hint="set time"
android:inputType="textPersonName"
app:layout constraintStart toEndOf="@+id/t2"
app:layout_constraintTop_toTopOf="@+id/t2"/>
<Button
android:id="@+id/b1"
android:layout width="90dp"
android:layout height="47dp"
android:layout marginStart="24dp"
android:layout_marginLeft="24dp"
android:text="Set"
app:layout constraintStart toEndOf="@+id/et1"
app:layout_constraintTop_toTopOf="@+id/et1" />
<TimePicker
android:id="@+id/TimePicker1"
android:layout width="330dp"
android:layout height="345dp"
android:layout_above="@+id/b1"
android:layout centerHorizontal="true"
android:layout_marginStart="52dp"
android:layout marginLeft="52dp"
android:layout marginEnd="52dp"
android:layout_marginRight="52dp"
app:layout_constraintEnd_toEndOf="parent"
app:layout constraintStart toStartOf="parent"
app:layout constraintTop toTopOf="parent"
tools:ignore="UnknownId"/>
<TextView
android:id="@+id/t1"
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
      android:layout marginStart="24dp"
      android:layout marginLeft="24dp"
      android:layout marginTop="10dp"
      android:text="Event1"
      android:textSize="30sp"
      app:layout_constraintStart_toStartOf="parent"
      app:layout_constraintTop_toBottomOf="@+id/TimePicker1"/>
      <EditText
      android:id="@+id/et1"
      android:layout width="126dp"
      android:layout height="43dp"
      android:layout_marginStart="28dp"
      android:layout marginLeft="28dp"
      android:ems="10"
      android:hint="set time"
      android:inputType="textPersonName"
      app:layout_constraintStart_toEndOf="@+id/t1"
      app:layout_constraintTop_toTopOf="@+id/t1"/>
      <Button
      android:id="@+id/submit"
      android:layout_width="wrap_content"
      android:layout height="wrap content"
      android:layout_marginTop="6dp"
      android:text="submit"
      app:layout constraintEnd toEndOf="parent"
      app:layout_constraintStart_toStartOf="parent"
      app:layout constraintTop toBottomOf="@+id/et3"/>
</androidx.constraintlayout.widget.ConstraintLayout>
display.java
package com.example.eventdetails;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;
public class display extends AppCompatActivity {
      TextView t1,t2,t3;
      @Override
      protected void onCreate(Bundle savedInstanceState) {
      super.onCreate(savedInstanceState);
      setContentView(R.layout.activity_display);
```

```
t1=findViewById(R.id.textView5);
      t2=findViewById(R.id.textView6);
      t3=findViewById(R.id.textView7);
      Intent i = getIntent();
      Bundle bundle = i.getExtras();
      t1.setText(bundle.getString("Event1"));
      t2.setText(bundle.getString("Event2"));
      t3.setText(bundle.getString("Event3"));
}
activity_display.xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</p>
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"
      tools:context=".display">
      <TextView
      android:id="@+id/textView7"
      android:layout_width="wrap_content"
      android:layout height="wrap content"
      android:layout marginStart="70dp"
      android:layout_marginLeft="70dp"
      android:textSize="30sp"
      app:layout_constraintStart_toEndOf="@+id/textView4"
      app:layout_constraintTop_toTopOf="@+id/textView4"/>
      <TextView
      android:id="@+id/textView6"
      android:layout width="wrap content"
      android:layout_height="wrap_content"
      android:layout_marginStart="70dp"
      android:layout marginLeft="70dp"
      android:textSize="30sp"
      app:layout_constraintStart_toEndOf="@+id/textView2"
      app:layout_constraintTop_toTopOf="@+id/textView2" />
      <TextView
      android:id="@+id/textView3"
      android:layout width="wrap content"
      android:layout_height="wrap_content"
      android:layout marginStart="68dp"
```

```
android:layout_marginLeft="68dp"
      android:layout marginTop="72dp"
      android:text="Event 1"
      android:textSize="30sp"
      app:layout constraintStart toStartOf="parent"
      app:layout_constraintTop_toBottomOf="@+id/textView"/>
      <TextView
      android:id="@+id/textView4"
      android:layout width="wrap content"
      android:layout_height="wrap_content"
      android:layout marginTop="60dp"
      android:text="Event 3"
      android:textSize="30sp"
      app:layout constraintStart toStartOf="@+id/textView2"
      app:layout_constraintTop_toBottomOf="@+id/textView2"/>
      <TextView
      android:id="@+id/textView"
      android:layout width="wrap content"
      android:layout height="wrap content"
      android:layout_marginTop="54dp"
      android:text="Event Details"
      android:textSize="36sp"
      app:layout constraintEnd toEndOf="parent"
      app:layout_constraintStart_toStartOf="parent"
      app:layout_constraintTop_toTopOf="parent"/>
      <TextView
      android:id="@+id/textView2"
      android:layout width="wrap content"
      android:layout_height="wrap_content"
      android:layout marginTop="60dp"
      android:text="Event 2"
      android:textSize="30sp"
      app:layout constraintStart toStartOf="@+id/textView3"
      app:layout_constraintTop_toBottomOf="@+id/textView3"/>
      <TextView
      android:id="@+id/textView5"
      android:layout_width="wrap_content"
      android:layout height="wrap content"
      android:layout marginStart="70dp"
      android:layout marginLeft="70dp"
      android:textSize="30sp"
      app:layout_constraintStart_toEndOf="@+id/textView3"
      app:layout_constraintTop_toTopOf="@+id/textView3"/>
</androidx.constraintlayout.widget.ConstraintLayout>
```

## **OUTPUT:**



