



## LOVELY PROFESSIONAL UNIVERSITY

### Assignment -1

Course: Android Development (CSE-225)

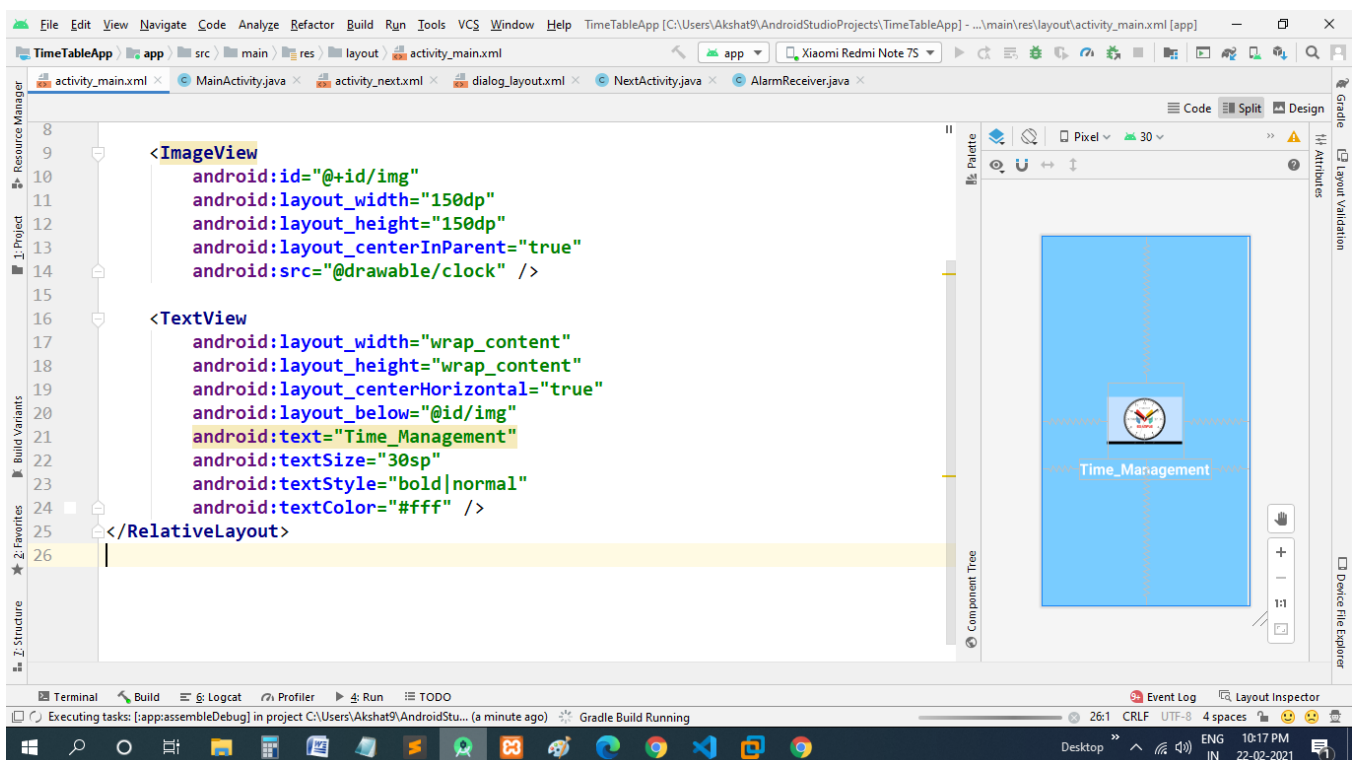
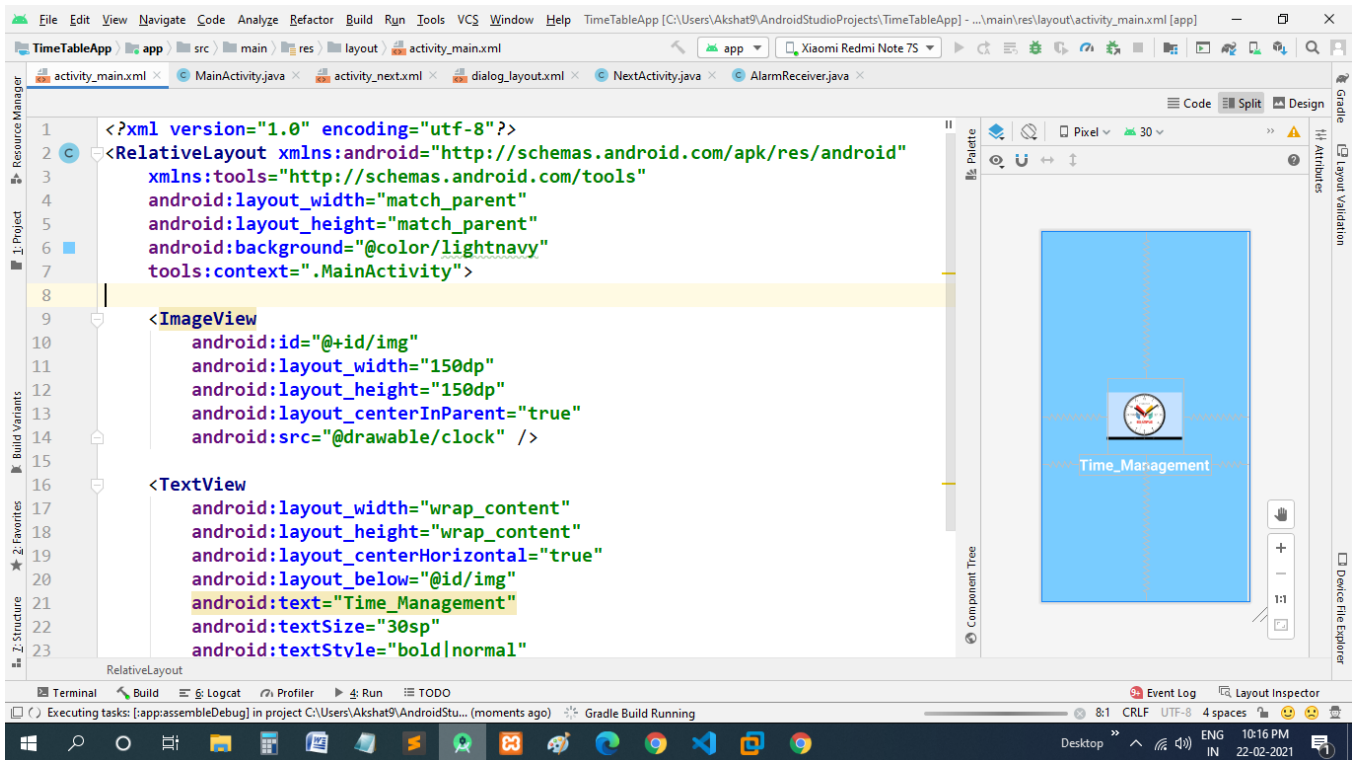
School: SCSE

Maximum Marks: 30

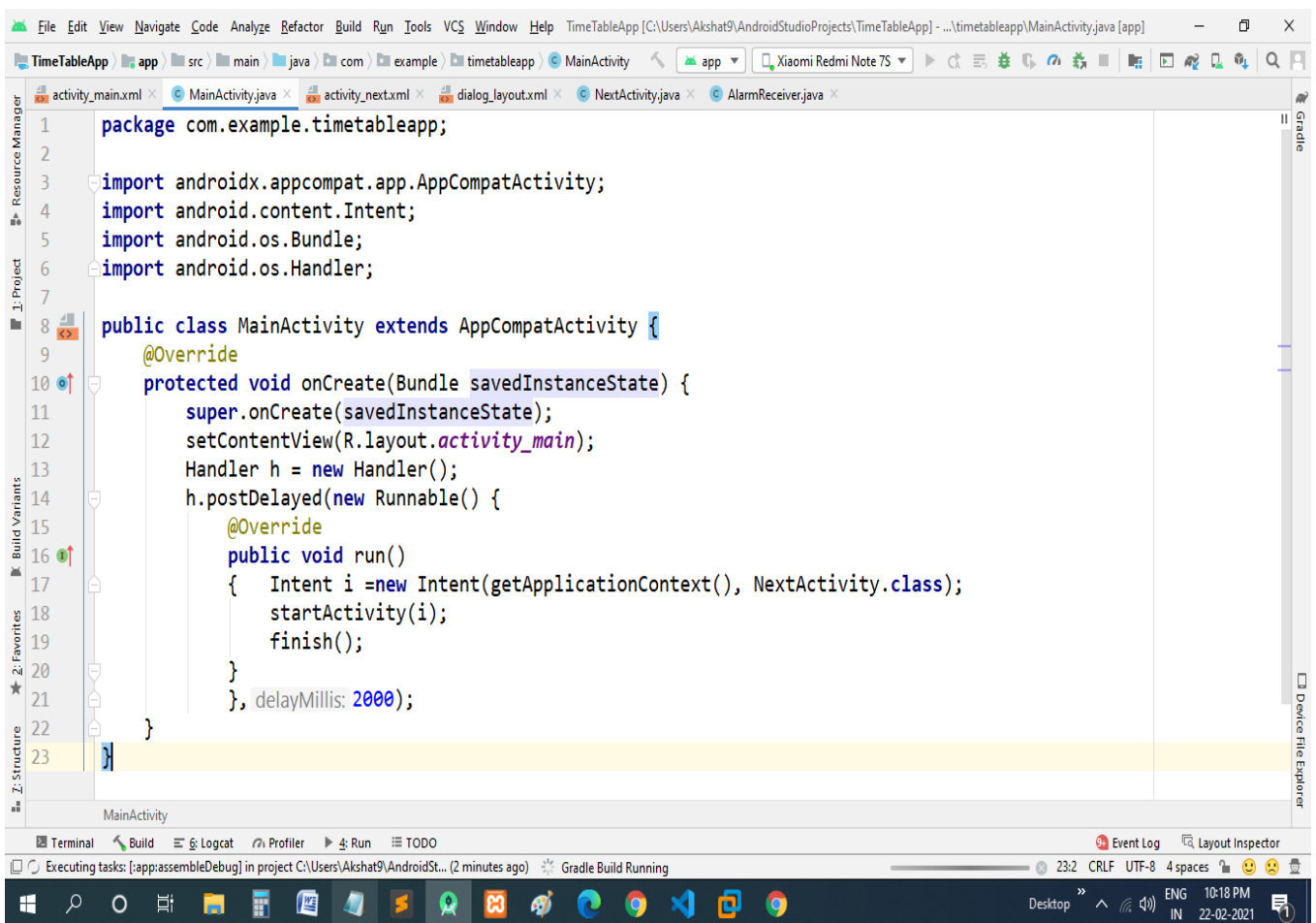
Roll No : RKOM54A36

Reg. No. 11811816

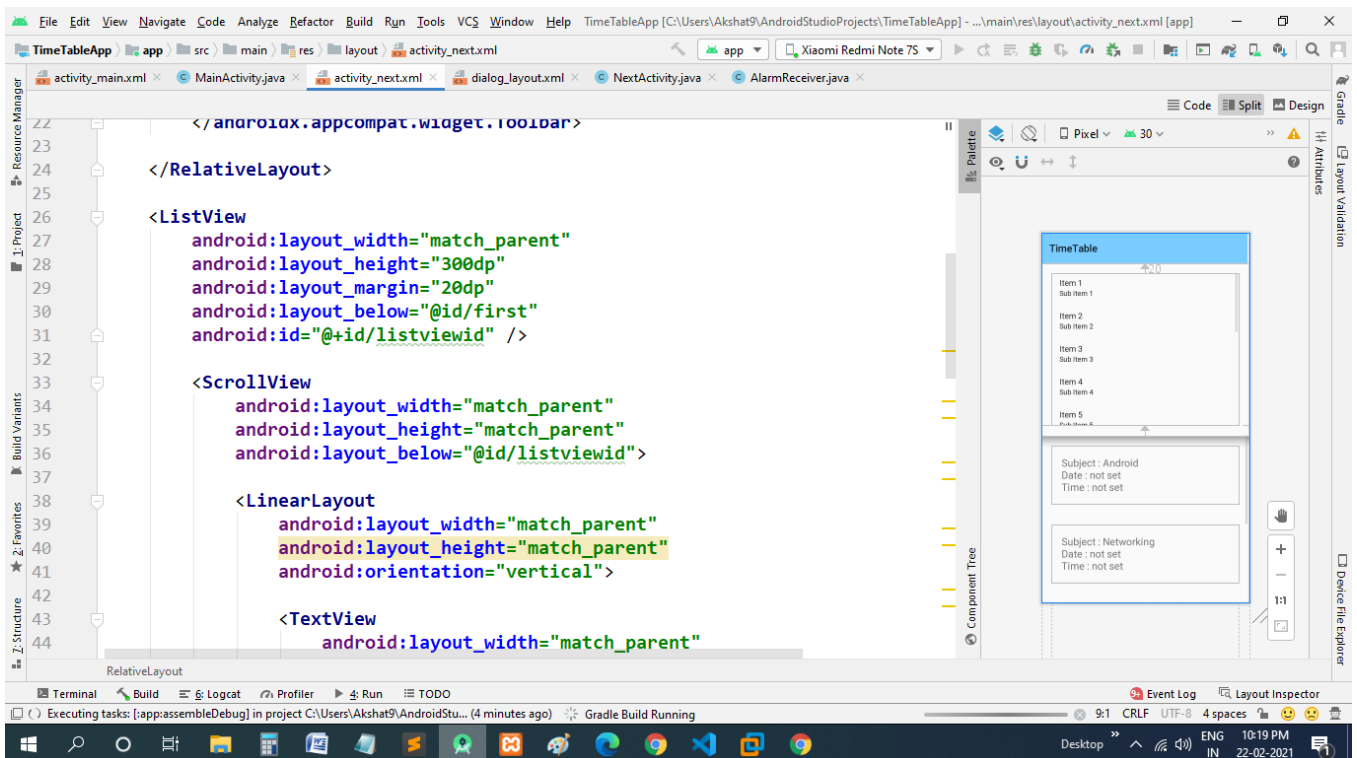
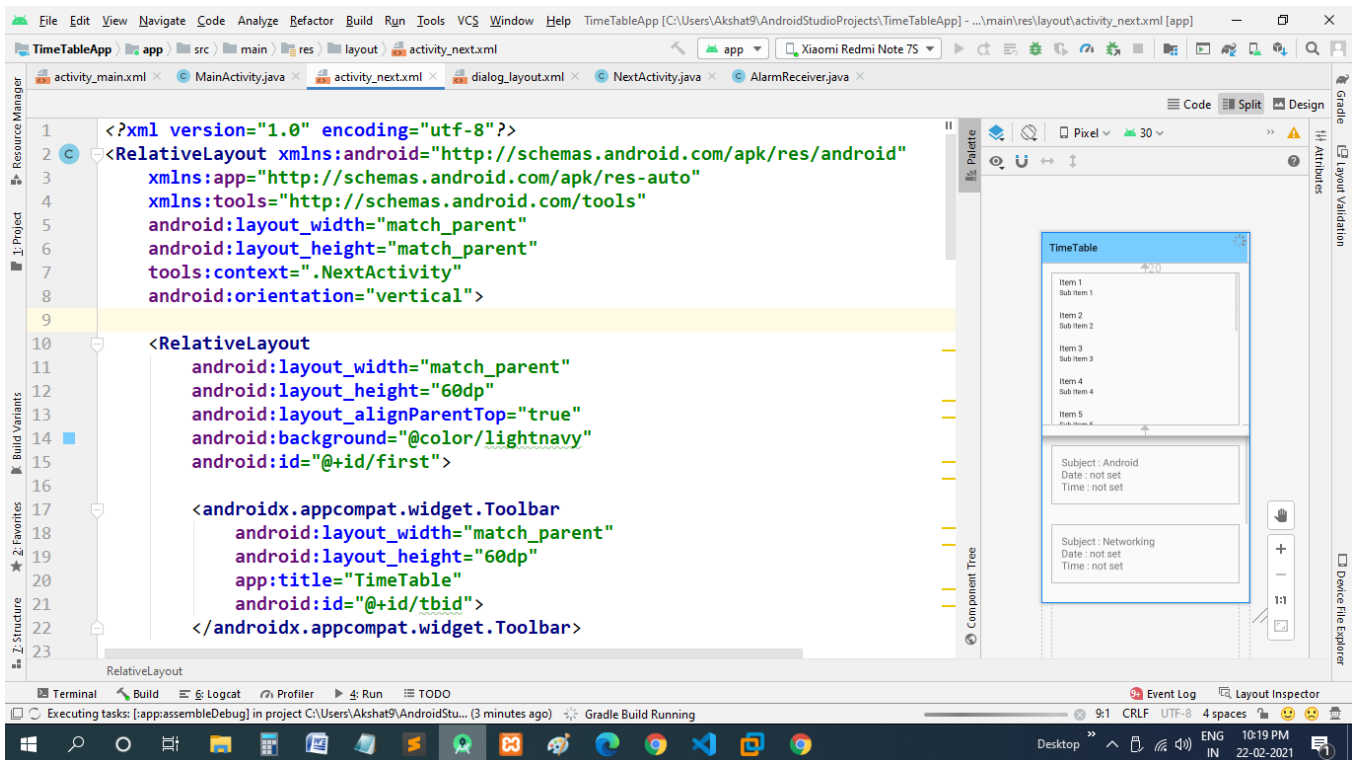
### Activity\_main.xml

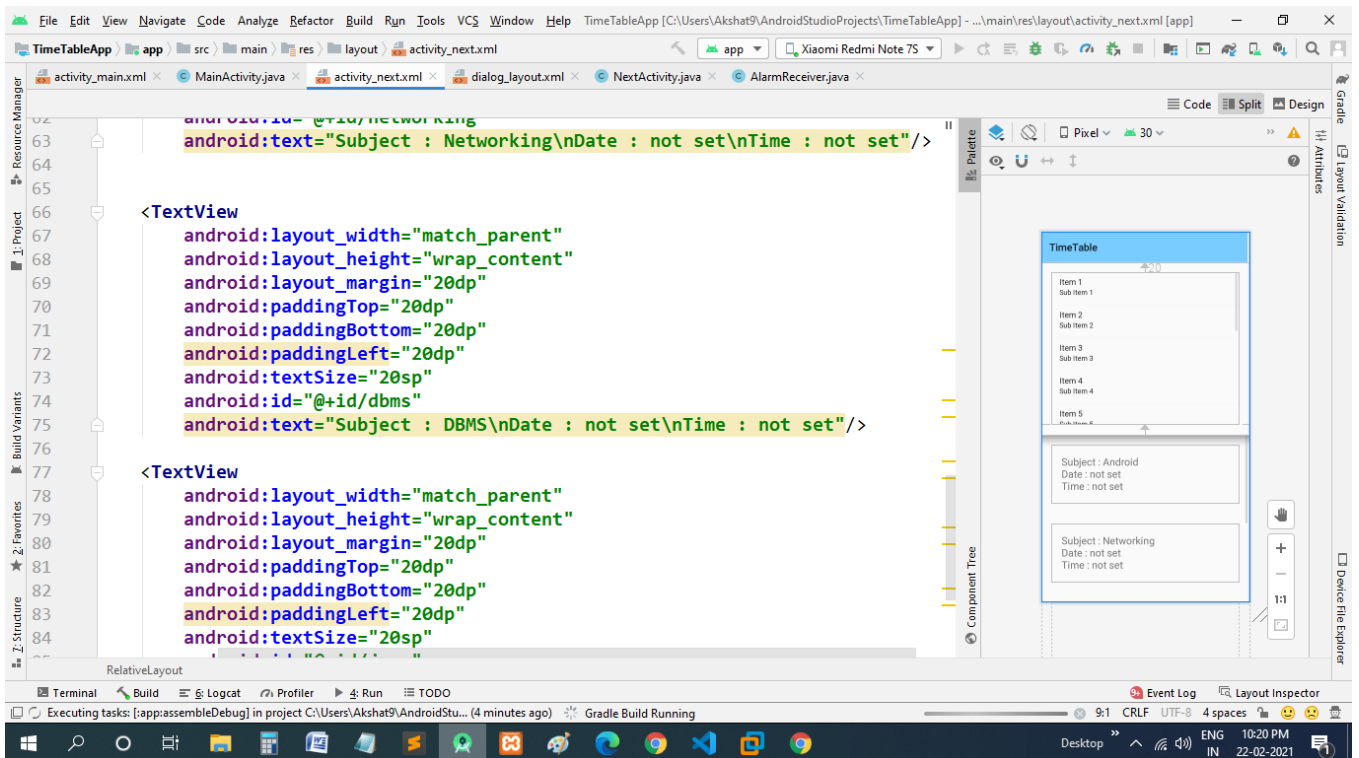
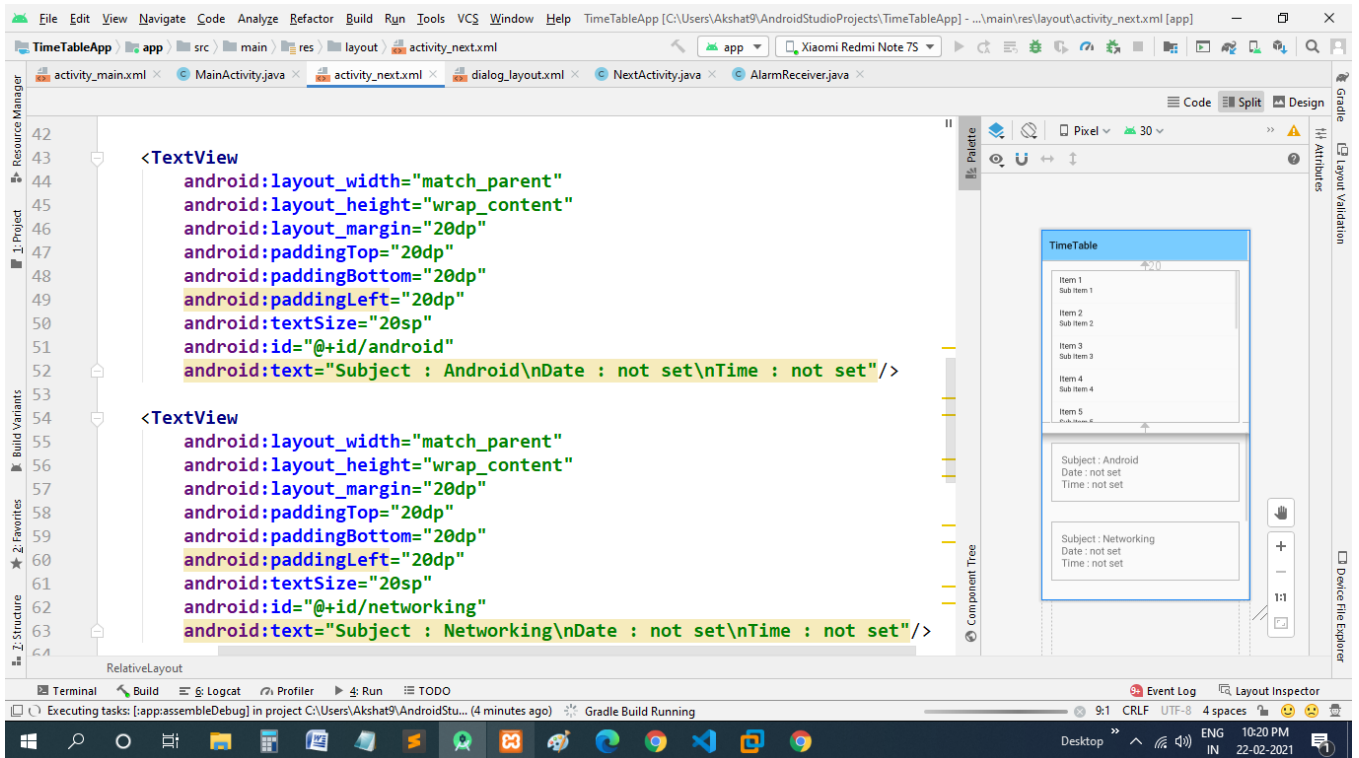


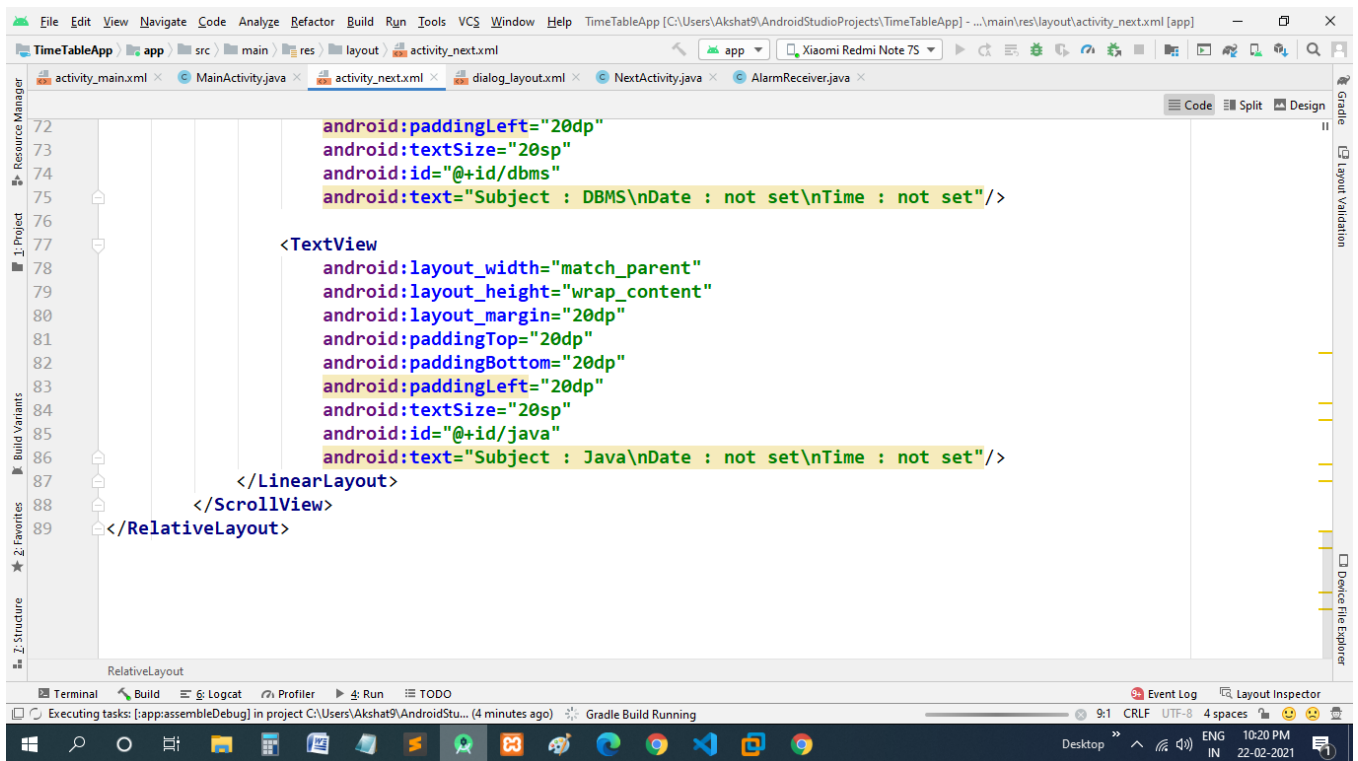
## MainActivity.java



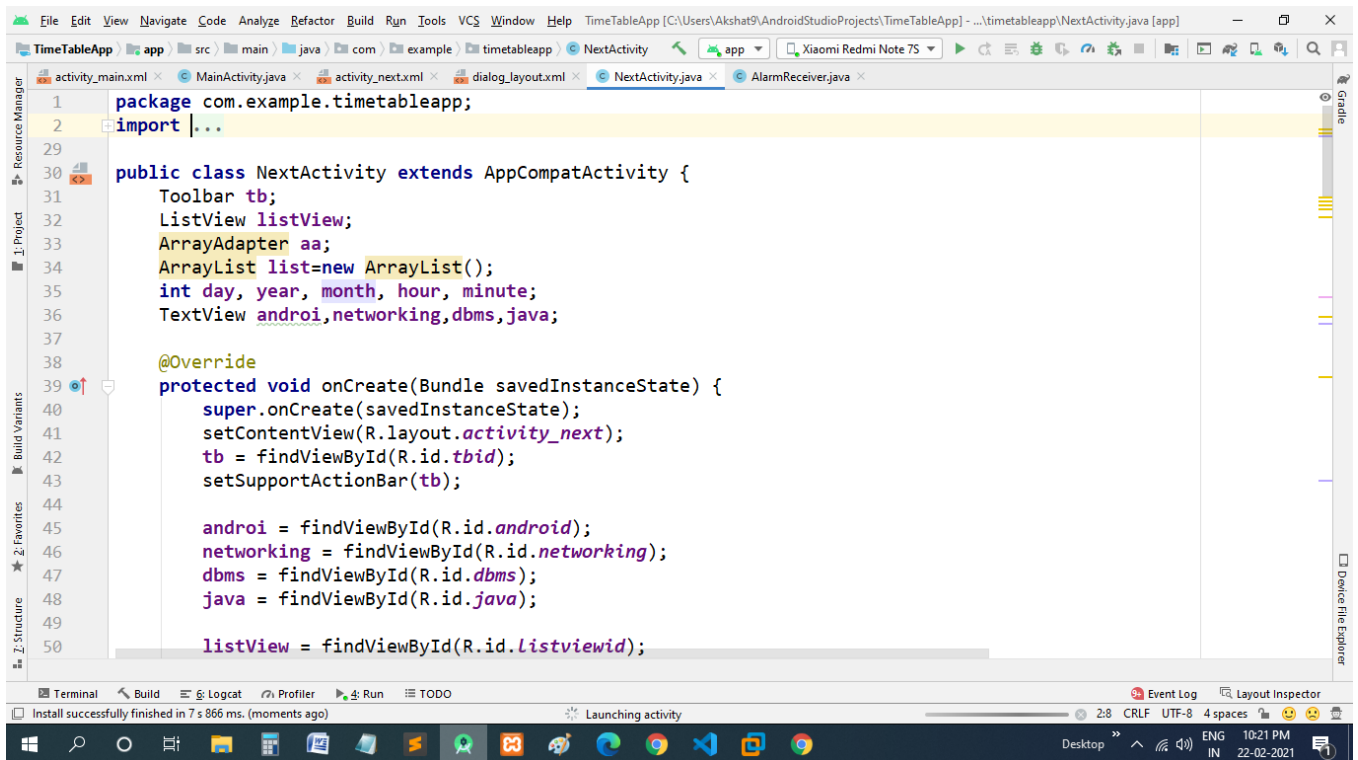
## Activity\_next.xml





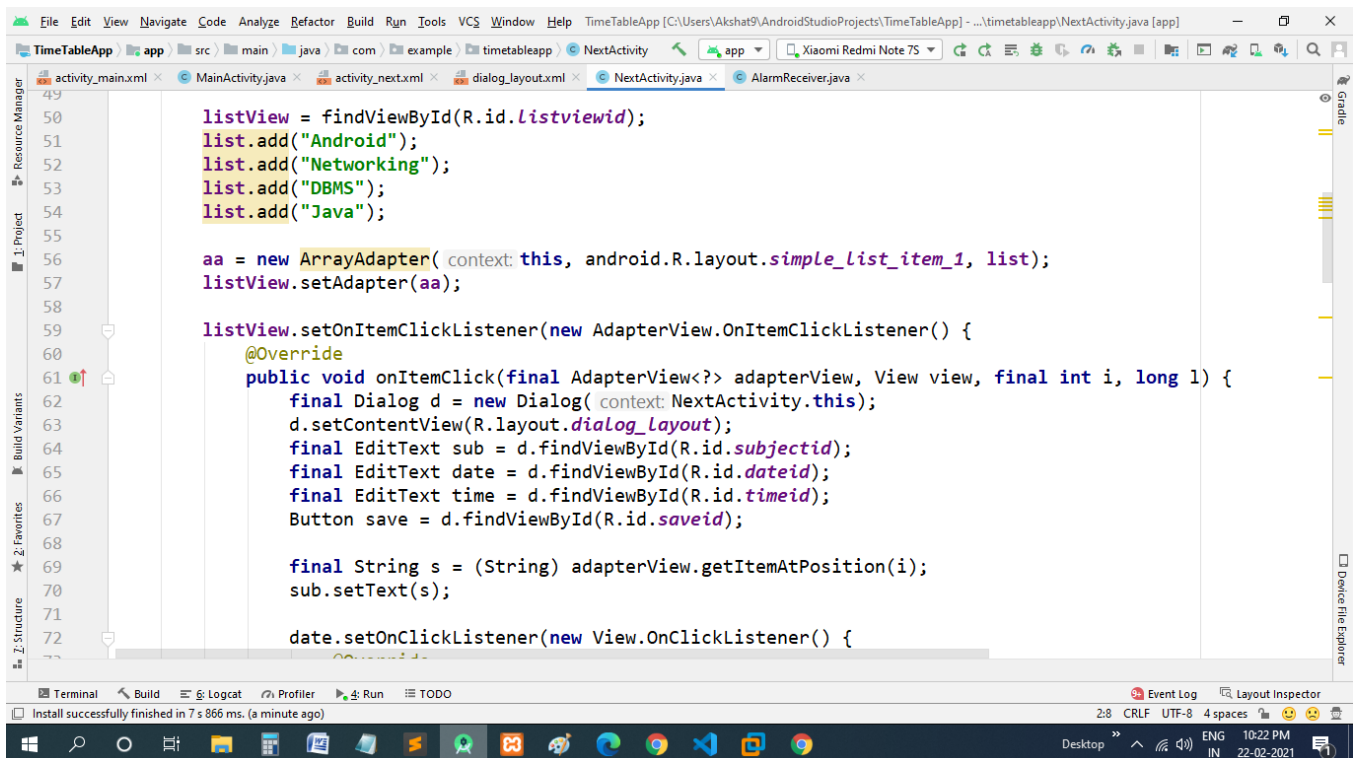


## NextActivity.java



This screenshot shows the first part of the `NextActivity.java` file in Android Studio. The code defines the package, imports, and the `NextActivity` class which extends `AppCompatActivity`. It includes fields for a toolbar, list view, adapter, and list, along with variables for date and time. The `onCreate` method is partially visible, showing the initialization of the toolbar and finding of views.

```
1 package com.example.timetableapp;
2 import ...
29
30 public class NextActivity extends AppCompatActivity {
31     Toolbar tb;
32     ListView listView;
33     ArrayAdapter aa;
34     ArrayList list=new ArrayList();
35     int day, year, month, hour, minute;
36     TextView android, networking, dbms, java;
37
38     @Override
39     protected void onCreate(Bundle savedInstanceState) {
40         super.onCreate(savedInstanceState);
41         setContentView(R.layout.activity_next);
42         tb = findViewById(R.id.tbid);
43         setSupportActionBar(tb);
44
45         android = findViewById(R.id.android);
46         networking = findViewById(R.id.networking);
47         dbms = findViewById(R.id.dbms);
48         java = findViewById(R.id.java);
49
50         listView = findViewById(R.id.listviewid);
```



This screenshot shows the second part of the `NextActivity.java` file. It continues the `onCreate` method by initializing the list with items, setting an adapter, and configuring click listeners for the list items. The `onItemClickListener` method is also shown, which displays a dialog for editing details.

```
49
50         listView = findViewById(R.id.listviewid);
51         list.add("Android");
52         list.add("Networking");
53         list.add("DBMS");
54         list.add("Java");
55
56         aa = new ArrayAdapter<context: this, android.R.layout.simple_list_item_1, list>;
57         listView.setAdapter(aa);
58
59         listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
60             @Override
61             public void onItemClick(final AdapterView<?> adapterView, View view, final int i, long l) {
62                 final Dialog d = new Dialog<context: NextActivity.this>;
63                 d.setContentView(R.layout.dialog_layout);
64                 final EditText sub = d.findViewById(R.id.subjectid);
65                 final EditText date = d.findViewById(R.id.dateid);
66                 final EditText time = d.findViewById(R.id.timeid);
67                 Button save = d.findViewById(R.id.saveid);
68
69                 final String s = (String) adapterView.getItemAtPosition(i);
70                 sub.setText(s);
71
72                 date.setOnClickListener(new View.OnClickListener() {
```



```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help TimeTableApp [C:\Users\Akshat9\AndroidStudioProjects\TimeTableApp] - ...timetableapp\NextActivity.java [app]
TimeTableApp app src main java com example timetableapp NextActivity app Xiaomi Redmi Note 7S
activity_main.xml MainActivity.java activity_next.xml dialog_layout.xml NextActivity.java AlarmReceiver.java
72 date.setOnClickListener(new View.OnClickListener() {
73     @Override
74     public void onClick(View view) {
75         Calendar calendar = Calendar.getInstance();
76         day = calendar.get(Calendar.DAY_OF_MONTH);
77         month = calendar.get(Calendar.MONTH);
78         year = calendar.get(Calendar.YEAR);
79         DatePickerDialog datePickerDialog =
80             new DatePickerDialog(context: NextActivity.this,
81                 new DatePickerDialog.OnDateSetListener() {
82                     @Override
83                     public void onDateSet(DatePicker datePicker, int y, int m, int d) {
84                         date.setText(d + "/" + (m + 1) + "/" + y);
85                     }
86                 }, year, month, day);
87         datePickerDialog.show();
88     }
89 });
90
91 time.setOnClickListener(new View.OnClickListener() {
92     @Override
93     public void onClick(View view) {
94         Calendar calendar = Calendar.getInstance();
95         hour = calendar.get(Calendar.HOUR_OF_DAY);
96     }
97 });
```

NextActivity > onCreate() > new OnItemClickListener > onItemClick() > new OnClickListener > onClick()

Terminal Build Logcat Profiler Run TODO

Install successfully finished in 7 s 866 ms. (2 minutes ago)

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```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help TimeTableApp [C:\Users\Akshat9\AndroidStudioProjects\TimeTableApp] - ...timetableapp\NextActivity.java [app]
TimeTableApp app src main java com example timetableapp NextActivity app Xiaomi Redmi Note 7S
activity_main.xml MainActivity.java activity_next.xml dialog_layout.xml NextActivity.java AlarmReceiver.java
93 @Override
94 public void onClick(View view) {
95     Calendar calendar = Calendar.getInstance();
96     hour = calendar.get(Calendar.HOUR_OF_DAY);
97     minute = calendar.get(Calendar.MINUTE);
98     TimePickerDialog timePickerDialog =
99         new TimePickerDialog(context: NextActivity.this,
100             new TimePickerDialog.OnTimeSetListener() {
101                 @Override
102                 public void onTimeSet(TimePicker timePicker, int h, int m) {
103                     time.setText(h + ":" + m);
104                 }
105             }, hour, minute, is24HourView: false);
106     timePickerDialog.show();
107 }
108
109 save.setOnClickListener(new View.OnClickListener() {
110     @Override
111     public void onClick(View view) {
112         d.dismiss();
113
114         String item = sub.getText() + "\nDate : " + date.getText() + "\nTime : " + time.getText()
115     }
116 });
```

NextActivity > onCreate() > new OnItemClickListener > onItemClick() > new OnClickListener > onClick()

Terminal Build Logcat Profiler Run TODO

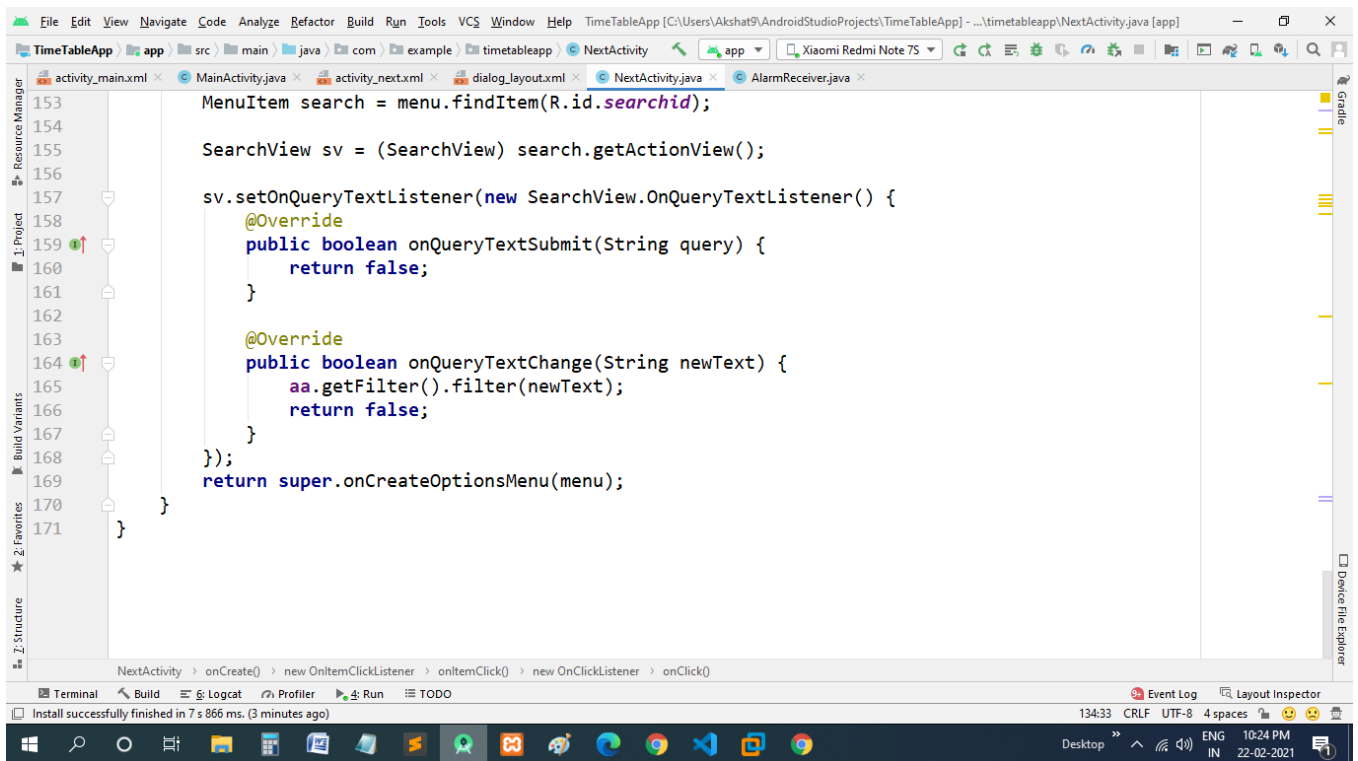
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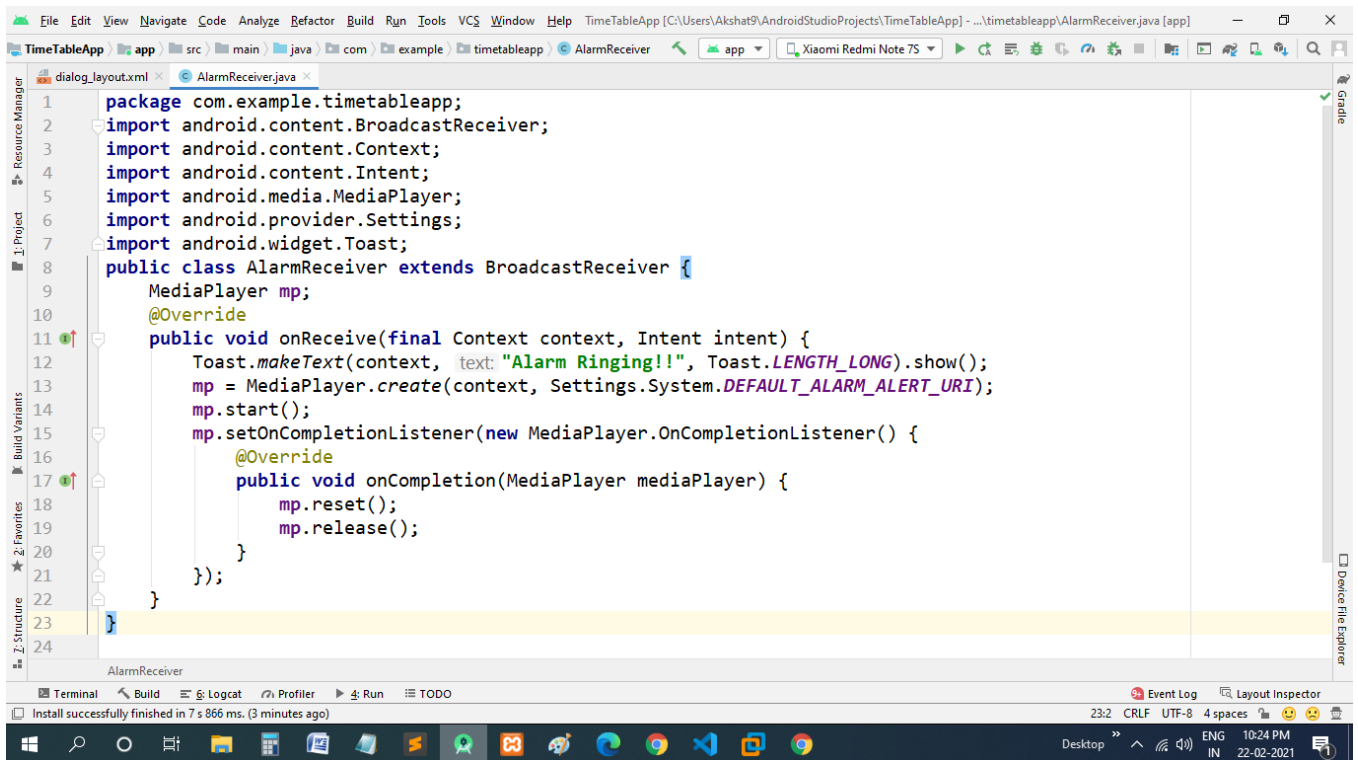
```
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TimeTableApp > app > src > main > java > com > example > timetableapp > NextActivity
activity_main.xml x MainActivity.java x activity_next.xml x dialog_layout.xml x NextActivity.java x AlarmReceiver.java x
113
114 String item = sub.getText() + "\nDate : " + date.getText() +
115 "\nTime : " + time.getText();
116
117 switch (s)
118 {
119     case "Android": android.setText(item);
120     break;
121     case "Networking": networking.setText(item);
122     break;
123     case "DBMS": dbms.setText(item);
124     break;
125     case "Java": java.setText(item);
126     break;
127 }
128
129 Calendar c = Calendar.getInstance();
130 c.set(year, month, day, hour, minute, second: 0);
131 SetAlarm(c);
132
133 Toast.makeText(context: NextActivity.this, text: "Alarm Set Successfully!!",
134 Toast.LENGTH_SHORT).show();
135 }
136 }));
NextActivity > onCreate() > new OnItemClickListener > onItemClick() > new OnItemClickListener > onItemClick()
Terminal Build Logcat Profiler Run TODO Event Log Layout Inspector
Install successfully finished in 7 s 866 ms. (2 minutes ago) 134:33 CRLF UTF-8 4 spaces ENG 10:23 PM 22-02-2021
```

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help TimeTableApp [C:\Users\Akshat9\AndroidStudioProjects\TimeTableApp] - ...timetableapp\NextActivity.java [app]
TimeTableApp > app > src > main > java > com > example > timetableapp > NextActivity
activity_main.xml x MainActivity.java x activity_next.xml x dialog_layout.xml x NextActivity.java x AlarmReceiver.java x
135
136 }));
137 d.show();
138 }
139 }));
140 }
141
142 @
143 private void SetAlarm(Calendar c) {
144     Intent intent = new Intent(packageContext: this, AlarmReceiver.class);
145     PendingIntent pi = PendingIntent.getActivity(context: this, requestCode: 0,
146         intent, PendingIntent.FLAG_ONE_SHOT);
147     AlarmManager am = (AlarmManager) getSystemService(Context.ALARM_SERVICE);
148     am.set(AlarmManager.RTC_WAKEUP, c.getTimeInMillis(), pi);
149 }
150
151 @Override
152 public boolean onCreateOptionsMenu(Menu menu) {
153     getMenuInflater().inflate(R.menu.menu, menu);
154     MenuItem search = menu.findItem(R.id.searchid);
155
156     SearchView sv = (SearchView) search.getActionView();
157
158     sv.setOnQueryTextListener(new SearchView.OnQueryTextListener() {
159         @Override
160
NextActivity > onCreate() > new OnItemClickListener > onItemClick() > new OnItemClickListener > onItemClick()
Terminal Build Logcat Profiler Run TODO Event Log Layout Inspector
Install successfully finished in 7 s 866 ms. (2 minutes ago) 134:33 CRLF UTF-8 4 spaces ENG 10:23 PM 22-02-2021
```





## AlarmReceiver.java



```
1 package com.example.timetableapp;
2 import android.content.BroadcastReceiver;
3 import android.content.Context;
4 import android.content.Intent;
5 import android.media.MediaPlayer;
6 import android.provider.Settings;
7 import android.widget.Toast;
8 public class AlarmReceiver extends BroadcastReceiver {
9     MediaPlayer mp;
10    @Override
11    public void onReceive(final Context context, Intent intent) {
12        Toast.makeText(context, text: "Alarm Ringing!!", Toast.LENGTH_LONG).show();
13        mp = MediaPlayer.create(context, Settings.System.DEFAULT_ALARM_ALERT_URI);
14        mp.start();
15        mp.setOnCompletionListener(new MediaPlayer.OnCompletionListener() {
16            @Override
17            public void onCompletion(MediaPlayer mediaPlayer) {
18                mp.reset();
19                mp.release();
20            }
21        });
22    }
23 }
24 }
```

AlarmReceiver

Terminal Build Logcat Profiler Run TODO

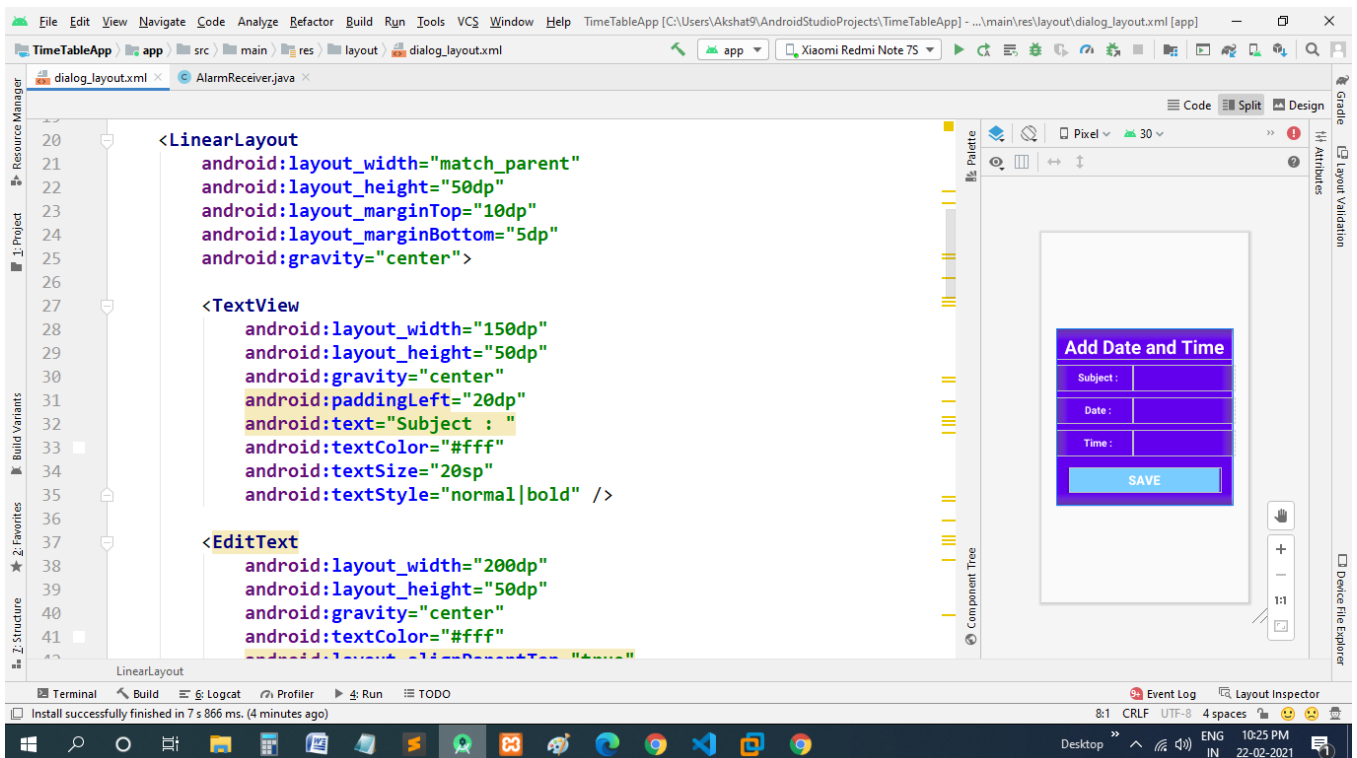
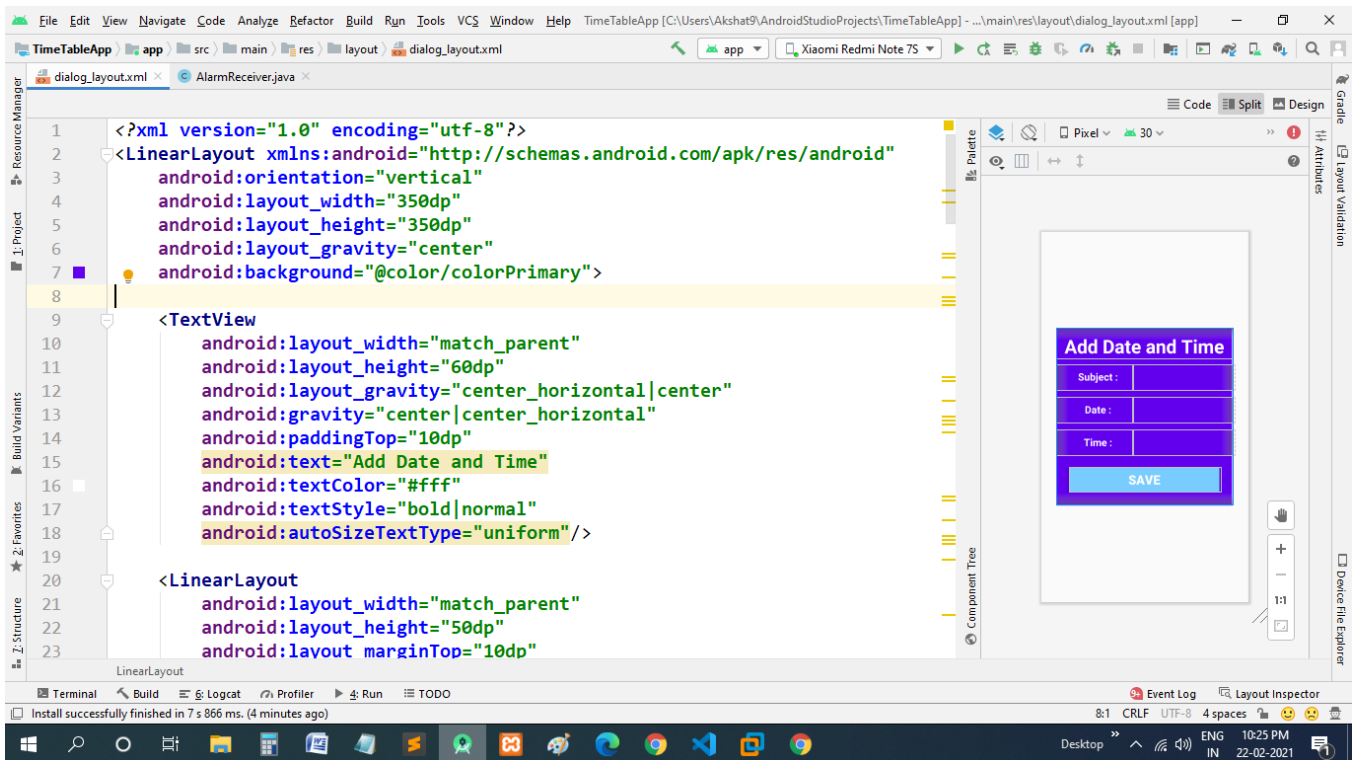
Event Log Layout Inspector

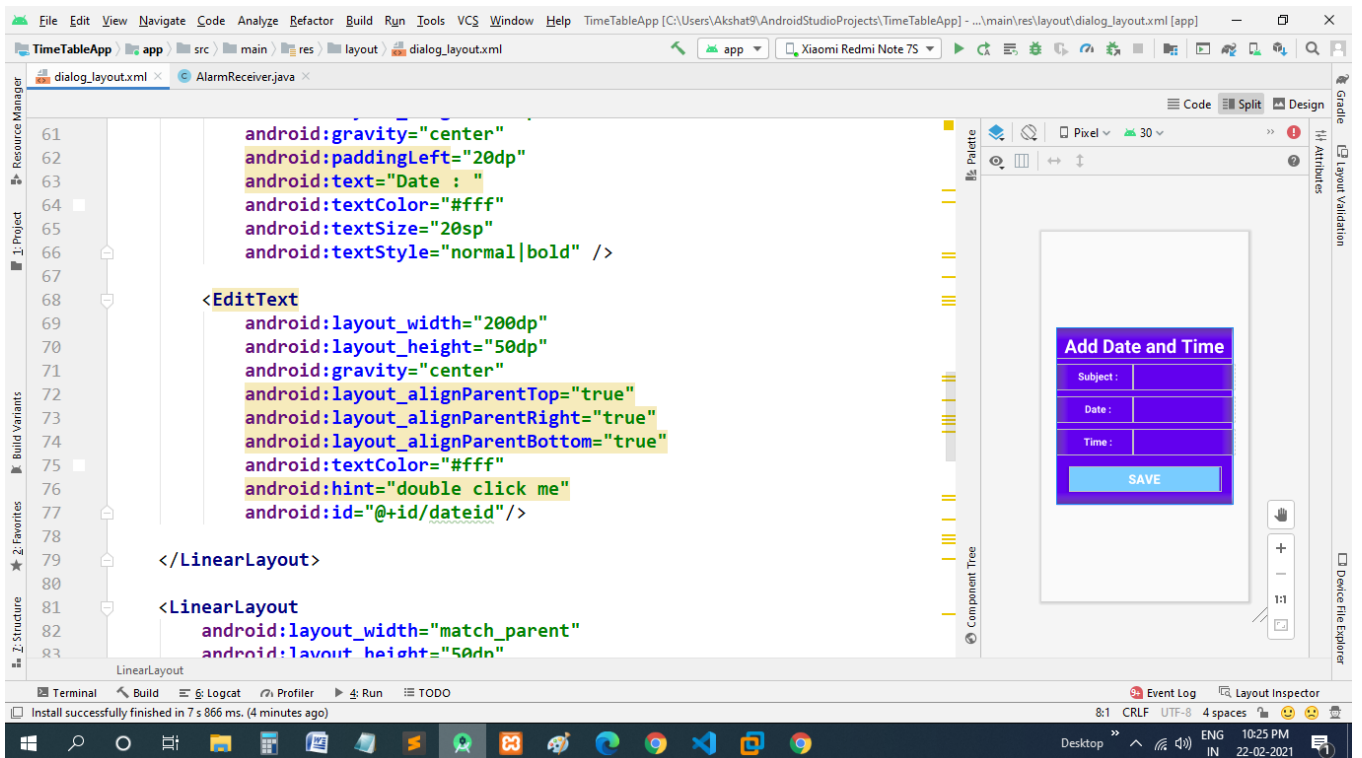
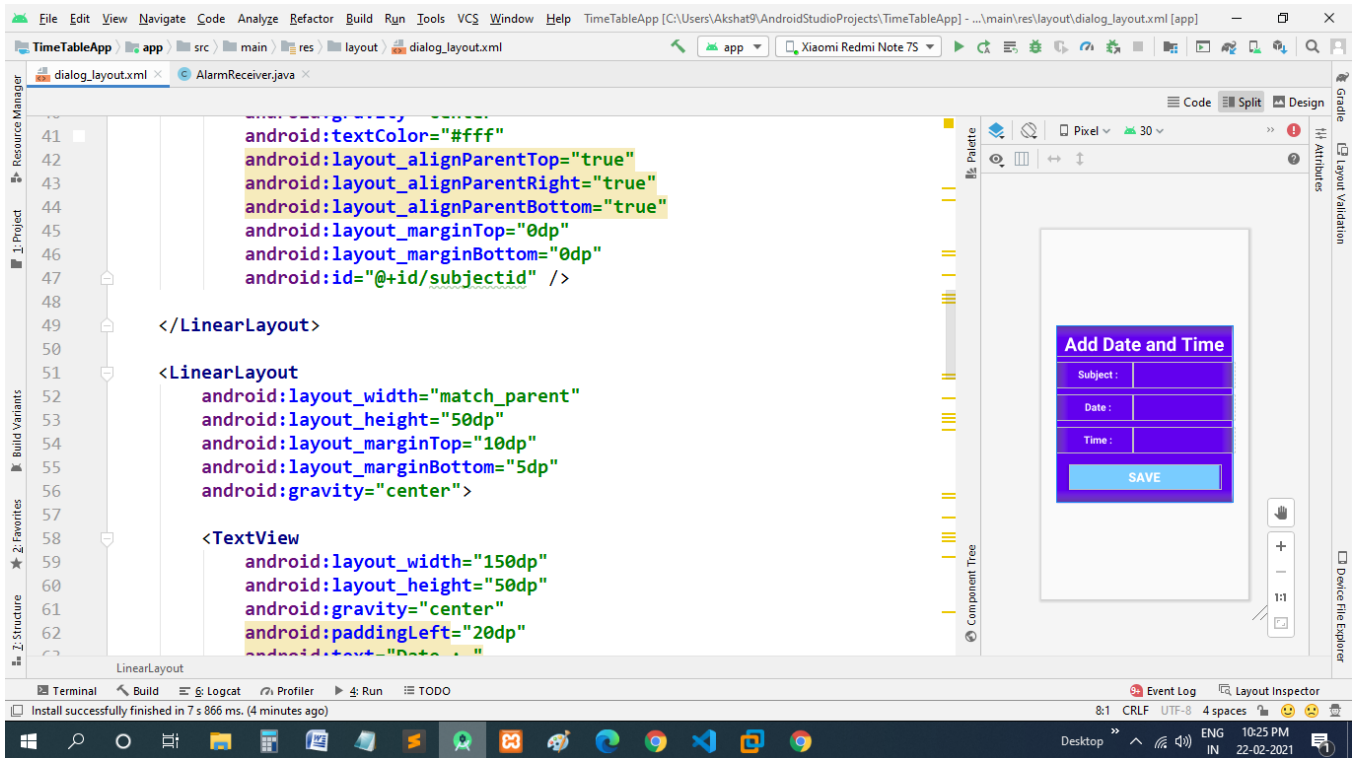
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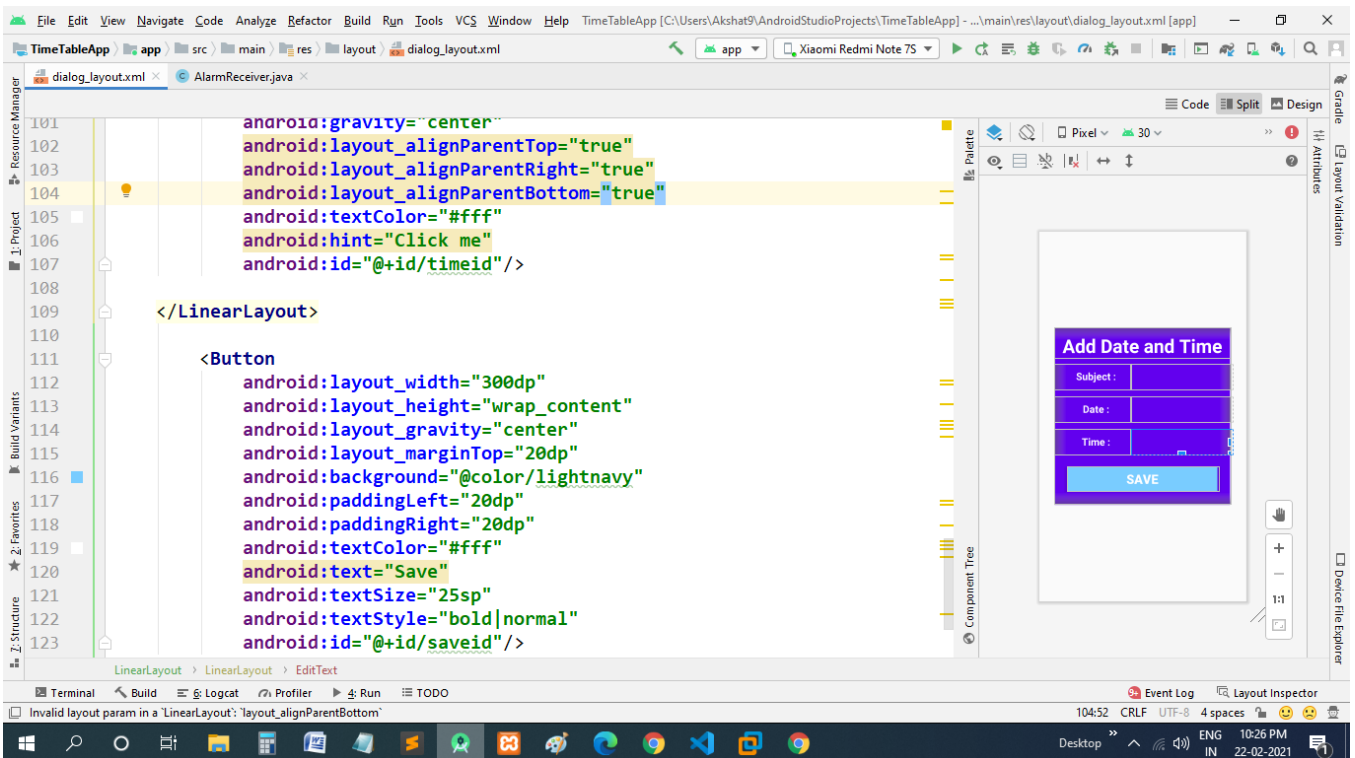
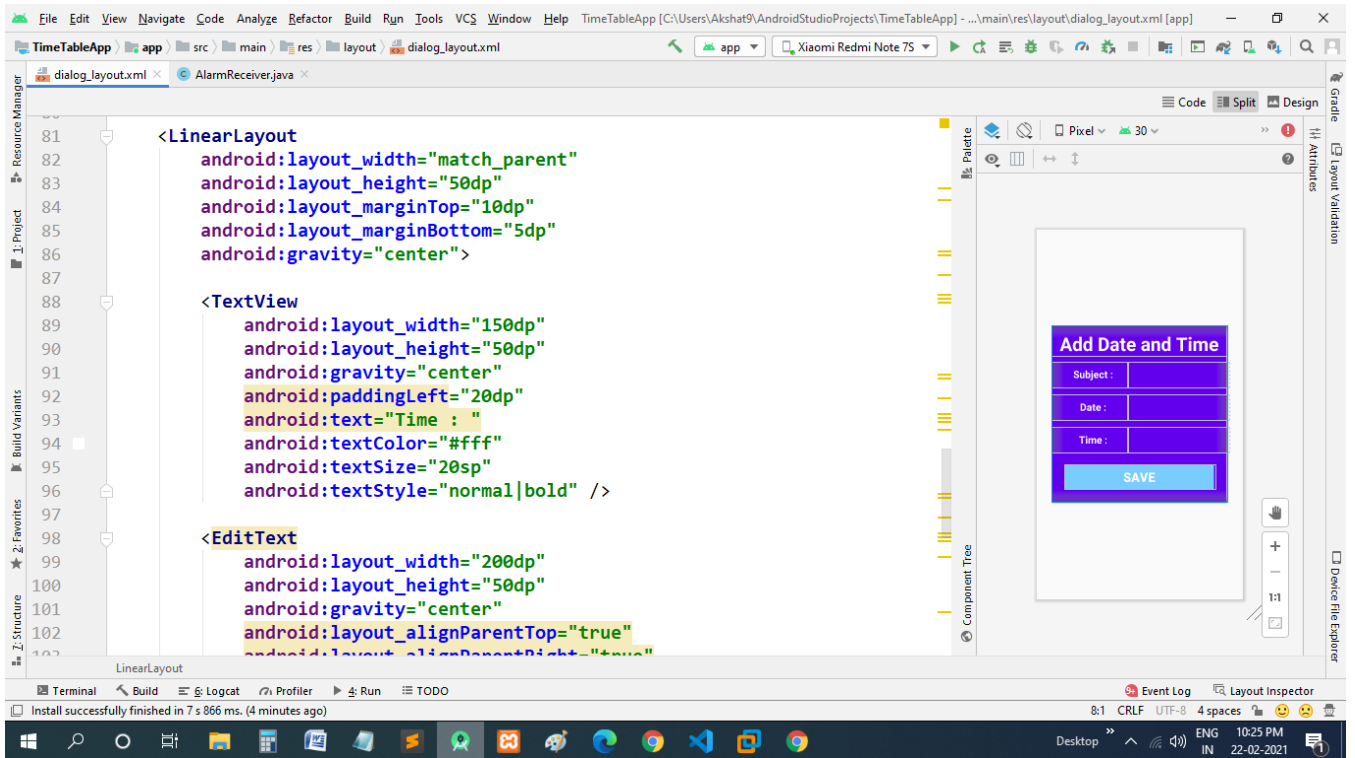
ENG 10:24 PM

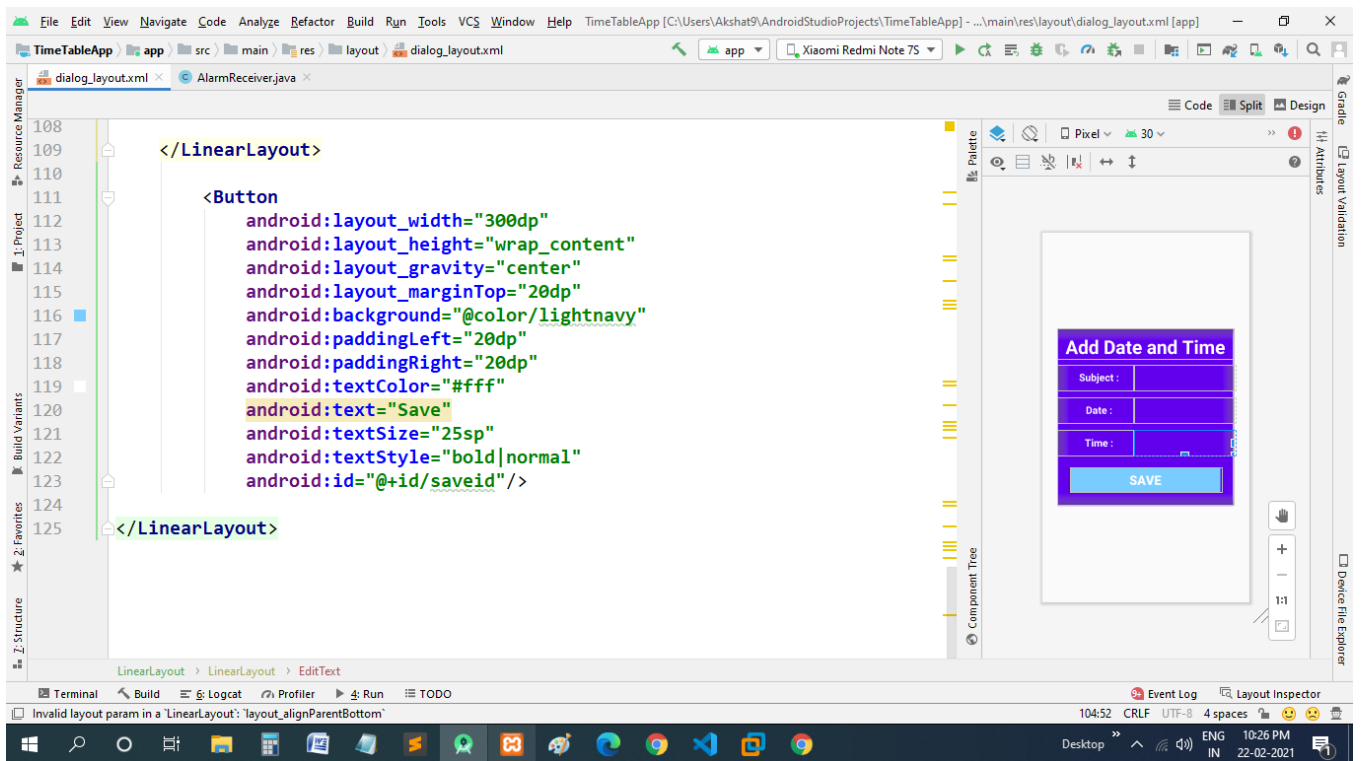
IN 22-02-2021

## Dialog\_layout.xml



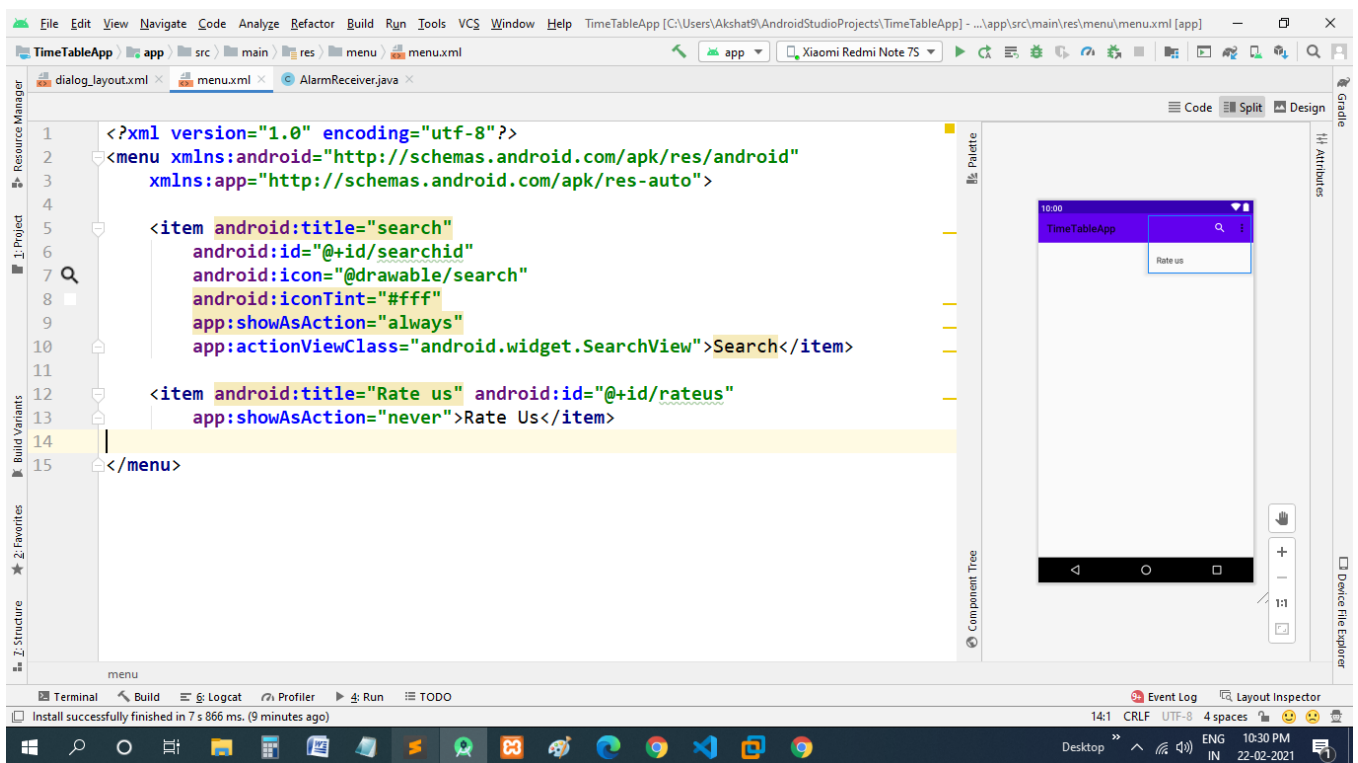




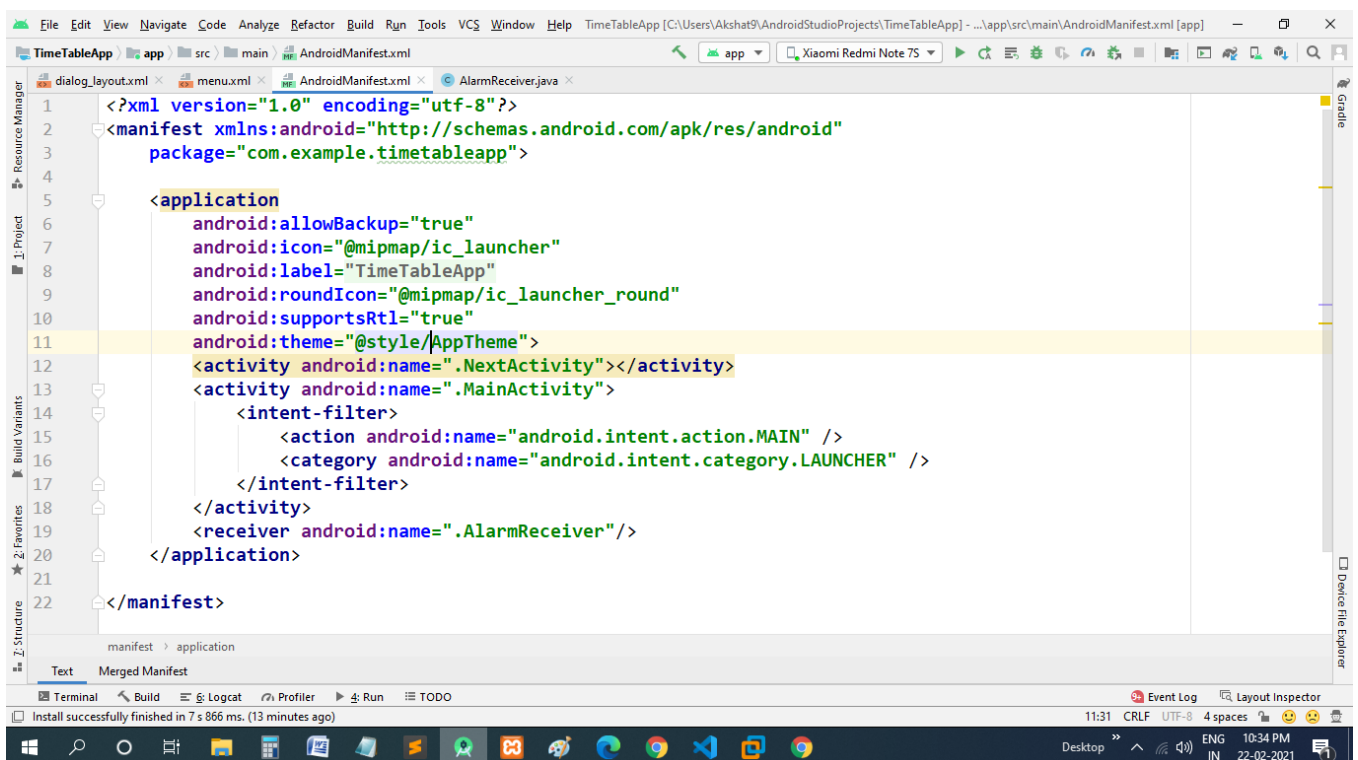




## Menu.xml



## AndroidManifest.xml



## Output:

