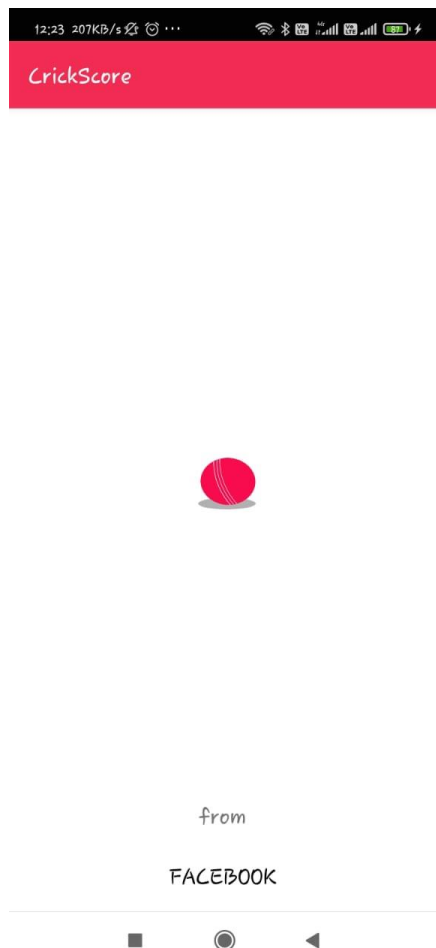


Name : Shivam Tyagi
Reg No. : 2047122
Course : Mobile Application LAB16

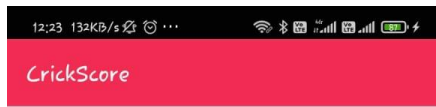
1.



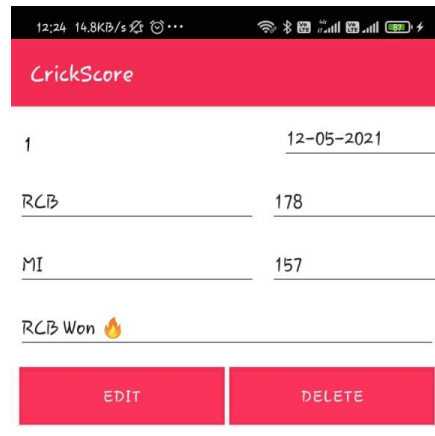
2.



3.



4.



5.

12:25 17.4KB/s

Write Status of a match(IPL / ODI / T...



Team 1

Score of Team 1

Team 2

Score of Team 1

Status of match

Day of match

Added Match Details Successfully

VIEW DATA

6.

12:25 9.8KB/s

CrickScore

1	12-05-2021
RCB	178
MI	157
RCB Won 🔥	
EDIT	DELETE
2	11-04-2021
CSK	188
RR	123
CSK won 👍	
EDIT	DELETE

CODES:

1. Activity1.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"
    tools:context=".MainActivity">

    <com.airbnb.lottie.LottieAnimationView
        android:id="@+id/animation_view"
        android:layout_width="347dp"
        android:layout_height="455dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.6"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.248"
        app:lottie_autoPlay="true"
        app:lottie_fileName="ballui.json"
        app:lottie_loop="true"
        tools:ignore="MissingConstraints" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="206dp"
        android:layout_height="50dp"
        android:gravity="center"
        android:text="from "

        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/animation_view" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="206dp"
        android:layout_height="50dp"
        android:gravity="center"
        android:text="FACEBOOK "
        android:textColor="#000"
        android:textStyle="bold"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.502"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView"
        app:layout_constraintVertical_bias="0.0" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

2. Activity2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
    android:gravity="center"
    android:layout_height="match_parent"
    tools:context=".MainActivity2">

    <LinearLayout
        android:id="@+id/editfields"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

        <ImageView
            android:paddingTop="15sp"
            android:id="@+id/imageView"
            android:layout_width="149dp"
            android:layout_height="85dp"
            app:srcCompat="@drawable/cricket"
            android:layout_gravity="center"
            android:layout_marginBottom="30dp"/>

        <EditText
            android:id="@+id/edittext_t1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="5dp"
            android:hint="Team 1" />

        <EditText
            android:id="@+id/edittext_st1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="5dp"
            android:hint="Score of Team 1" />

        <EditText
            android:id="@+id/edittext_t2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="5dp"
            android:hint="Team 2" />

        <EditText
            android:id="@+id/edittext_st2"
            android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:hint="Score of Team 1" />

    <EditText
        android:id="@+id/edittext_status"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:hint="Status of match" />

    <EditText
        android:id="@+id/edittext_date"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:hint="Day of match" />
</LinearLayout>

<Button
    android:textStyle="bold"
    android:layout_margin="5dp"
    android:id="@+id/button_add"
    android:text="Insert Data"
    android:backgroundTint="#378F3C"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"/>

<Button
    android:textStyle="bold"
    android:layout_margin="5dp"
    android:id="@+id/button_view"
    android:text="View Data"
    android:backgroundTint="#0288D1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"/>
</LinearLayout>
```

3. Activity3.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"
    tools:context=".MainActivity3">

    <androidx.recyclerview.widget.RecyclerView
        android:layout_width="match_parent"
        android:id="@+id/recyclerView"
        android:layout_height="match_parent"/>

</androidx.constraintlayout.widget.ConstraintLayout>
```


4.item_list.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:orientation="vertical"
    android:layout_height="wrap_content">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/text_id"
            android:layout_width="200dp"
            android:layout_height="wrap_content"
            android:layout_margin="10dp"
            android:text="Id"
            android:textColor="#000"
            android:textSize="18sp" />

        <EditText
            android:id="@+id/edittext_date"
            android:layout_width="200dp"
            android:layout_height="wrap_content"
            android:layout_margin="5dp"
            android:inputType="date"
            android:text="Day of match"
            android:textSize="18sp" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="horizontal">

        <EditText
            android:id="@+id/edittext_t1"
            android:layout_width="200dp"
            android:layout_height="wrap_content"
            android:inputType="text"
            android:layout_margin="5dp"
            android:text="Team 1"
            android:textSize="18sp" />

        <EditText
            android:id="@+id/edittext_st1"
            android:layout_width="200dp"
            android:layout_height="wrap_content"
            android:layout_margin="5dp"
            android:inputType="text"
```

```

        android:text="Score of Team 1"
        android:textSize="18sp" />
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="horizontal">

    <EditText
        android:id="@+id/edittext_t2"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:inputType="text"
        android:text="Team 2"
        android:textSize="18sp" />

    <EditText
        android:id="@+id/edittext_st2"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:inputType="text"
        android:text="Score of Team 1"
        android:textSize="18sp" />
</LinearLayout>

<EditText
    android:id="@+id/edittext_status"
    android:layout_margin="5dp"
    android:textSize="18sp"
    android:text="Status of match"
    android:inputType="text"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"/>

<LinearLayout
    android:layout_margin="5dp"
    android:orientation="horizontal"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <Button
        android:background="#0288D1"
        android:id="@+id/button_edit"
        android:layout_weight="2"
        android:text="Edit"
        android:layout_margin="2dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

    <Button
        android:layout_margin="2dp"
        android:background="#D32F2F"

```

```
        android:id="@+id/button_delete"
        android:layout_weight="2"
        android:text="Delete"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    </LinearLayout>
```

```
    <View
        android:layout_margin="5dp"
        android:background="#C5C5C5"
        android:layout_width="match_parent"
        android:layout_height="1dp"/>
```

```
</LinearLayout>
```

JAVA CODES :

1. Main.java

```
package com.example.crickscore;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;

import java.util.Timer;
import java.util.TimerTask;

public class MainActivity extends AppCompatActivity {
    Timer timer;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        timer=new Timer();
        timer.schedule(new TimerTask() {
            @Override
            public void run() {
                Intent intent =new Intent(getApplicationContext(),MainActivity2.class);
                startActivity(intent);
            }
        },5000);
    }
}
```

2. Main2.java

```
package com.example.crickscore;

import androidx.appcompat.app.ActionBar;
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.Toast;

public class MainActivity2 extends AppCompatActivity {

    // @Override
    // protected void onCreate(Bundle savedInstanceState) {
    //     super.onCreate(savedInstanceState);
    //     setContentView(R.layout.activity_main2);
    // }

    EditText editText_t1, editText_st1, editText_t2, editText_st2, editText_status,
    editText_date;
    Button button_add, button_view;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        ActionBar actionBar=getSupportActionBar();
        actionBar.setTitle("Write Status of a match( IPL / ODI / T20)");
        //actionBar.s;

        editText_t1 = findViewById(R.id.edittext_t1);
        editText_st1 = findViewById(R.id.edittext_st1);
        editText_t2 = findViewById(R.id.edittext_t2);
        editText_st2 = findViewById(R.id.edittext_st2);
        editText_status = findViewById(R.id.edittext_status);
        editText_date = findViewById(R.id.edittext_date);

        button_add = findViewById(R.id.button_add);
        button_view = findViewById(R.id.button_view);

        button_add.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String stringt1 = editText_t1.getText().toString();
                String stringst1 = editText_st1.getText().toString();
                String stringt2 = editText_t2.getText().toString();
                String stringst2 = editText_st2.getText().toString();
                String stringstatus = editText_status.getText().toString();
                String stringdate = editText_date.getText().toString();
```

```

        if (stringt1.length() <= 0 || stringt2.length() <= 0 ||
stringdate.length() <= 0 || stringstatus.length() <= 0) {
            Toast.makeText(MainActivity2.this, "Enter All Data",
Toast.LENGTH_SHORT).show();
        } else {
            DatabaseHelperClass databaseHelperClass = new
DatabaseHelperClass(MainActivity2.this);
            EmployeeModelClass employeeModelClass = new
EmployeeModelClass(stringt1, stringst1, stringt2, stringst2, stringstatus, stringdate);
            databaseHelperClass.addEmployee(employeeModelClass);
            Toast.makeText(MainActivity2.this, "Added Match Details
Successfully", Toast.LENGTH_SHORT).show();
            finish();
            startActivity(getIntent());
        }
    }
});

button_view.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent intent = new Intent(MainActivity2.this, MainActivity3.class);
        startActivity(intent);
    }
});
}
}

```

3. Main3.java

```
package com.example.crickscore;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.os.Bundle;
import android.widget.Toast;

import java.util.List;

public class MainActivity3 extends AppCompatActivity {
    RecyclerView recyclerView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main3);

        recyclerView = findViewById(R.id.recyclerView);
        recyclerView.setLayoutManager(new LinearLayoutManager(this));
        recyclerView.setHasFixedSize(true);

        DatabaseHelperClass databaseHelperClass = new DatabaseHelperClass(this);
        List<EmployeeModelClass> employeeModelClasses =
        databaseHelperClass.getEmployeeList();

        if (employeeModelClasses.size() > 0){
            EmployeeAdapterClass employeadapterclass = new
            EmployeeAdapterClass(employeeModelClasses, MainActivity3.this);
            recyclerView.setAdapter(employeadapterclass);
        }else {
            Toast.makeText(this, "There is no employee in the database",
            Toast.LENGTH_SHORT).show();
        }
    }
}
```

4. DataBaseHelper.java

```
package com.example.crickscore;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import java.util.ArrayList;
import java.util.List;

public class DatabaseHelperClass extends SQLiteOpenHelper {

    //Database version
    private static final int DATABASE_VERSION = 1;
    //Database Name
    private static final String DATABASE_NAME = "DB";
    //Database Table name
    private static final String TABLE_NAME = "Matches";
    //Table columns
    public static final String ID = "id";
    public static final String TEAM1 = "Team_1";
    public static final String SCORE_T1 = "Score_Team_1";
    public static final String TEAM2 = "Team_2";
    public static final String SCORE_T2 = "Score_Team_2";
    public static final String STATUS = "Status";
    public static final String DATE = "Date";
    private SQLiteDatabase sqLiteDatabase;

    //creating table query

    private static final String
        CREATE_TABLE = "create table " + TABLE_NAME + "(" + ID +
            " INTEGER PRIMARY KEY ," + TEAM1 + " TEXT, " + SCORE_T1 + " TEXT, " + TEAM2
+ " TEXT NOT NULL, " + SCORE_T2 + " TEXT ," + STATUS + " TEXT NOT NULL," + DATE + "
TEXT NOT NULL));";

    //Constructor
    public DatabaseHelperClass (Context context){
        super(context,DATABASE_NAME,null,DATABASE_VERSION);
    }

    @Override
    public void onCreate(SQLiteDatabase db) {
        db.execSQL(CREATE_TABLE);
    }

    @Override
```



```

public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {
    db.execSQL(" DROP TABLE IF EXISTS " + TABLE_NAME);
    onCreate(db);
}

//Add Employee Data
public void addEmployee(EmployeeModelClass employeeModelClass){
    ContentValues contentValues = new ContentValues();
    contentValues.put(DatabaseHelperClass.TEAM1, employeeModelClass.getT1());
    contentValues.put(DatabaseHelperClass.SCORE_T1, employeeModelClass.getSt1());
    contentValues.put(DatabaseHelperClass.TEAM2, employeeModelClass.getT2());
    contentValues.put(DatabaseHelperClass.SCORE_T2, employeeModelClass.getSt2());
    contentValues.put(DatabaseHelperClass.STATUS, employeeModelClass.getStatus());
    contentValues.put(DatabaseHelperClass.DATE, employeeModelClass.getDate());

    SQLiteDatabase = this.getWritableDatabase();
    SQLiteDatabase.insert(DatabaseHelperClass.TABLE_NAME, null, contentValues);
}

public List<EmployeeModelClass> getEmployeeList(){
    String sql = "select * from " + TABLE_NAME;
    SQLiteDatabase = this.getReadableDatabase();
    List<EmployeeModelClass> storeEmployee = new ArrayList<>();
    Cursor cursor = SQLiteDatabase.rawQuery(sql, null);
    if (cursor.moveToFirst()){
        do {
            int id = Integer.parseInt(cursor.getString(0));
            String t1 = cursor.getString(1);
            String st1 = cursor.getString(2);
            String t2 = cursor.getString(3);
            String st2 = cursor.getString(4);
            String status = cursor.getString(5);
            String date = cursor.getString(6);
            storeEmployee.add(new
EmployeeModelClass(id, t1, st1, t2, st2, status, date));
        }while (cursor.moveToNext());
    }
    cursor.close();
    return storeEmployee;
}

public void updateEmployee(EmployeeModelClass employeeModelClass){
    ContentValues contentValues = new ContentValues();
    contentValues.put(DatabaseHelperClass.TEAM1, employeeModelClass.getT1());
    contentValues.put(DatabaseHelperClass.SCORE_T1, employeeModelClass.getSt1());
    contentValues.put(DatabaseHelperClass.TEAM2, employeeModelClass.getT2());
    contentValues.put(DatabaseHelperClass.SCORE_T2, employeeModelClass.getSt2());
    contentValues.put(DatabaseHelperClass.STATUS, employeeModelClass.getStatus());
    contentValues.put(DatabaseHelperClass.DATE, employeeModelClass.getDate());
    SQLiteDatabase = this.getWritableDatabase();
    SQLiteDatabase.update(TABLE_NAME, contentValues, ID + " = ?", new String[]
{String.valueOf(employeeModelClass.getId())});
}

public void deleteEmployee(int id){
    SQLiteDatabase = this.getWritableDatabase();
    SQLiteDatabase.delete(TABLE_NAME, ID + " = ?", new String[]

```

```
        {String.valueOf(id));  
    }  
}
```

5.Employee Adapet.java

```
package com.example.crickscore;

import android.app.Activity;
import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import java.util.List;

public class EmployeeAdapterClass extends
RecyclerView.Adapter<EmployeeAdapterClass.ViewHolder> {

    List<EmployeeModelClass> employee;
    Context context;
    DatabaseHelperClass databaseHelperClass;

    public EmployeeAdapterClass(List<EmployeeModelClass> employee, Context context) {
        this.employee = employee;
        this.context = context;
        databaseHelperClass = new DatabaseHelperClass(context);
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        LayoutInflater inflater = LayoutInflater.from(parent.getContext());
        View view = inflater.inflate(R.layout.employee_item_list,parent,false);
        ViewHolder viewHolder = new ViewHolder(view);
        return viewHolder;
    }

    @Override
    public void onBindViewHolder(@NonNull final ViewHolder holder, final int position)
    {
        final EmployeeModelClass employeeModelClass = employee.get(position);

        holder.textViewID.setText(Integer.toString(employeeModelClass.getId()));
        holder.editText_t1.setText(employeeModelClass.getT1());
        holder.editText_st1.setText(employeeModelClass.getSt1());
        holder.editText_t2.setText(employeeModelClass.getT2());
        holder.editText_st2.setText(employeeModelClass.getSt2());
        holder.editText_status.setText(employeeModelClass.getStatus());
        holder.editText_date.setText(employeeModelClass.getDate());
    }
}
```

```

holder.button_Edit.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        String stringt1 = holder.editText_t1.getText().toString();
        String stringst1 = holder.editText_st1.getText().toString();
        String stringt2 = holder.editText_t2.getText().toString();
        String stringst2 = holder.editText_st2.getText().toString();
        String stringstatus = holder.editText_status.getText().toString();
        String stringdate = holder.editText_date.getText().toString();

        databaseHelperClass.updateEmployee(new
EmployeeModelClass(employeeModelClass.getId(), stringt1, stringst1, stringt2, stringst2, str
ingstatus, stringdate));
        notifyDataSetChanged();
        ((Activity) context).finish();
        context.startActivity(((Activity) context).getIntent());
    }
});

holder.button_delete.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        databaseHelperClass.deleteEmployee(employeeModelClass.getId());
        employee.remove(position);
        notifyDataSetChanged();
    }
});

}

@Override
public int getItemCount() {
    return employee.size();
}

public class ViewHolder extends RecyclerView.ViewHolder{
    TextView textViewID;
    EditText editText_t1, editText_st1, editText_t2, editText_st2, editText_status,
editText_date;
    Button button_Edit;
    Button button_delete;

    public ViewHolder(@NonNull View itemView) {
        super(itemView);

        textViewID = itemView.findViewById(R.id.text_id);
        editText_t1 = itemView.findViewById(R.id.edittext_t1);
        editText_st1= itemView.findViewById( R.id.edittext_st1 );
        editText_t2 = itemView.findViewById( R.id.edittext_t2 );
        editText_st2 = itemView.findViewById( R.id.edittext_st2 );
        editText_status = itemView.findViewById( R.id.edittext_status );
        editText_date = itemView.findViewById( R.id.edittext_date );

```

```
        button_Edit= itemView.findViewById( R.id.button_edit );
        button_delete= itemView.findViewById( R.id.button_delete );
    }
}
```

6.EmployeeModel.java

```
package com.example.crickscore;

public class EmployeeModelClass {
    Integer id;
    String t1,st1,t2,st2,status,date;

    public EmployeeModelClass(String t1, String st1, String t2,String st2, String
status, String date) {
        this.t1 = t1;
        this.st1 = st1;
        this.t2 = t2;
        this.st2 = st2;
        this.status = status;
        this.date = date;
    }

    public EmployeeModelClass(Integer id, String t1, String st1, String t2,String st2,
String status, String date) {
        this.id = id;
        this.t1 = t1;
        this.st1 = st1;
        this.t2 = t2;
        this.st2 = st2;
        this.status = status;
        this.date = date;
    }

    public Integer getId() {
        return id;
    }
    public void setId(int id) {
        this.id = id;
    }

    public String getT1() {
        return t1;
    }
    public void setT1(String t1) {
        this.t1 = t1;
    }

    public String getSt1() {
        return st1;
    }
    public void setSt1(String st1) {
        this.st1 = st1;
    }

    public String getT2() {
        return t2;
    }
}
```

```
public void sett2(String t2) {  
    this.t2 = t2;  
}  
  
public String getSt2() {  
    return st2;  
}  
public void setSt2(String st2) {  
    this.st2 = st2;  
}  
  
public String getStatus() {  
    return status;  
}  
public void setStatus(String status) {  
    this.status = status;  
}  
  
public String getDate() {  
    return date;  
}  
public void setDate(String date) {  
    this.date = date;  
}  
}
```