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QUESTION:

Create an editText to read a number. If the number entered in editText is 1, raise an alert that has an edit text to read a number, if number is 2 raise an alert to read time, if number IS 3 raise an alert that reads date.

CODE:

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">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="28dp"
        android:layout_marginTop="131dp"
        android:layout_marginEnd="28dp"
        android:layout_marginBottom="555dp"
        android:text="@string/choose_you_options"
        android:textAppearance="@style/TextAppearance.AppCompat.Display1"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.0" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="61dp"
```

```
    android:layout_marginTop="27dp"
    android:layout_marginEnd="276dp"
    android:layout_marginBottom="16dp"
    android:text="@string/_1_edittext"
    android:textAppearance="@style/TextAppearance.AppCompat.Body2"
    app:layout_constraintBottom_toTopOf="@+id/textView3"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView" />
```

<TextView

```
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="61dp"
    android:layout_marginTop="26dp"
    android:layout_marginEnd="264dp"
    android:layout_marginBottom="463dp"
    android:text="@string/_2_time_picker"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView2" />
```

<TextView

```
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="64dp"
    android:layout_marginTop="30dp"
    android:layout_marginEnd="265dp"
    android:layout_marginBottom="406dp"
    android:text="@string/_3_datepicker"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />
```

<EditText

```
    android:id="@+id/EditText"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="84dp"
    android:layout_marginTop="95dp"
    android:layout_marginEnd="118dp"
    android:layout_marginBottom="265dp"
    android:ems="10"
    android:inputType="textPersonName"
    android:minHeight="48dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView4"
    tools:ignore="SpeakableTextPresentCheck"
    android:importantForAutofill="no" />
```

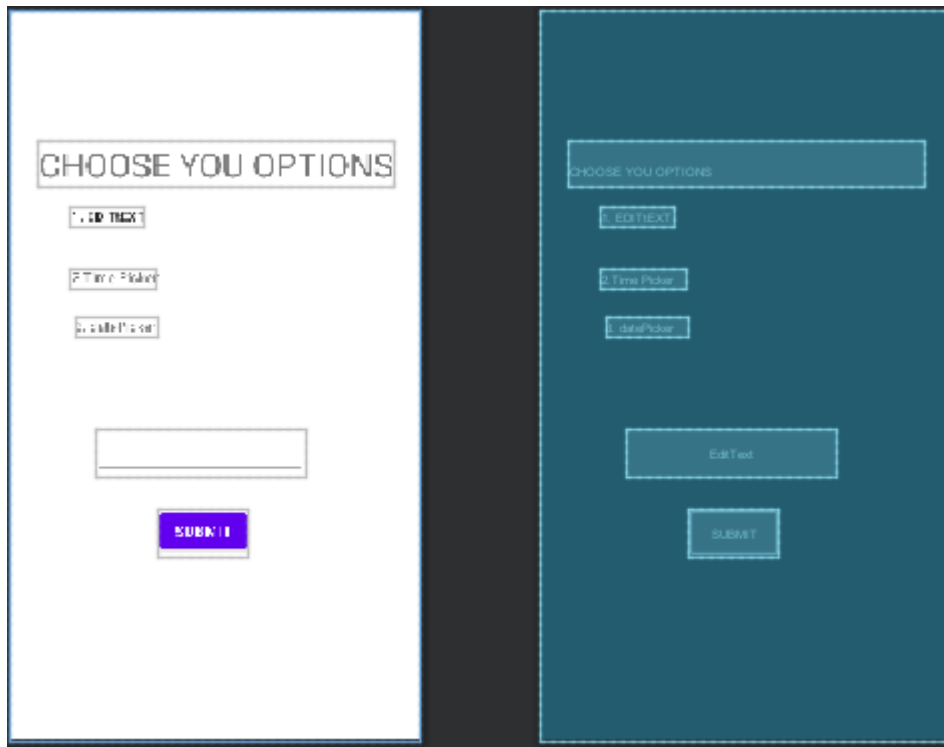
<Button

```
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="146dp"
```

```

        android:layout_marginTop="31dp"
        android:layout_marginEnd="171dp"
        android:layout_marginBottom="186dp"
        android:text="@string/submit"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/EditText" />
</androidx.constraintlayout.widget.ConstraintLayout>

```



JAVA:

```

package com.example.a19bce7360;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog;
import android.app.TimePickerDialog;
import android.content.DialogInterface;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.TimePicker;
import android.widget.Toast;

import java.util.Calendar;

public class MainActivity extends AppCompatActivity {
    EditText t1;
    Button b;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

```

```

setContentView(R.layout.activity_main);

t1 = findViewById(R.id.EditText);
b = findViewById(R.id.button);

b.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        int ch = Integer.parseInt(t1.getText().toString());

        if(ch == 1){
            AlertDialog.Builder alert = new
AlertDialog.Builder(MainActivity.this);
            EditText gp = new EditText(MainActivity.this);
            gp.setHint("Enter your number");
            alert.setView(gp);
            alert.setPositiveButton("Next", new
DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialog, int i)
            {
                Toast.makeText(MainActivity.this,"Entered
Number is : " + gp.getText().toString(),Toast.LENGTH_LONG).show();
            }
        });

            alert.setNegativeButton("Back", new
DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialog, int i)
            {
                Toast.makeText(MainActivity.this,"Please Enter
a Number" , Toast.LENGTH_LONG).show();
            }
        });
            alert.setCancelable(false);
            alert.show();
        }

        else if(ch == 2){
            Calendar cal = Calendar.getInstance();
            int hrs = cal.get(Calendar.HOUR_OF_DAY);
            int min = cal.get(Calendar.MINUTE);

            TimePickerDialog timePickerDialog = new
TimePickerDialog(MainActivity.this, new
TimePickerDialog.OnTimeSetListener() {
                @Override
                public void onTimeSet(TimePicker view, int hour,
int minute) {
                    String time = String.valueOf(hour)+" :
"+String.valueOf(minute);
                }
            },hrs,min,true);
            timePickerDialog.show();
        }

        else if(ch == 3){
            int day,month,yr;
            Calendar cal = Calendar.getInstance();
            day = cal.get(Calendar.DAY_OF_MONTH);

```

OUTPUT:

