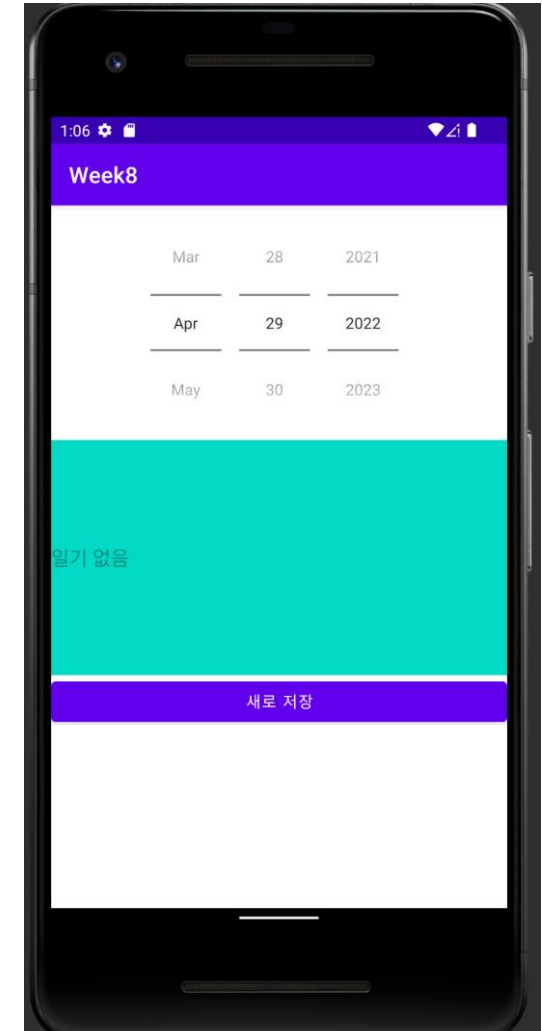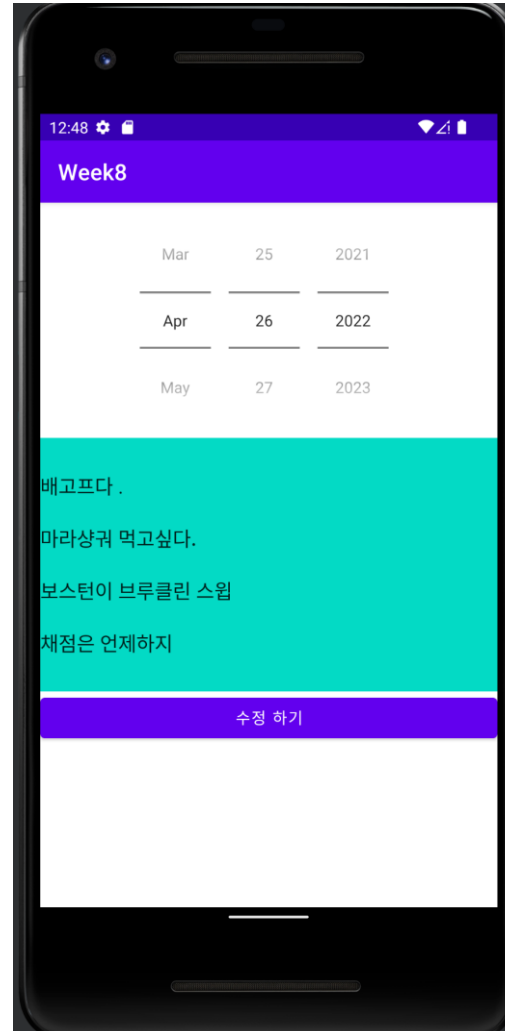# Practice
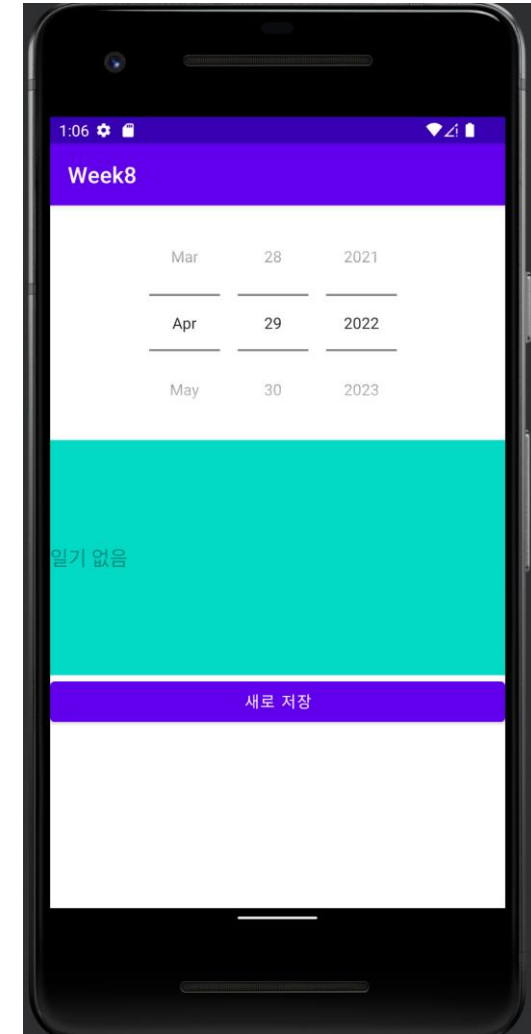
Practice

- SimpleDairy

- DatePicker로 날짜를 설정
    - 내용이 없으면?
        - 일기 없음 hint
        - 새로 저장 버튼
    - 내용이 있으면?
        - 일기 내용 보여주기
        - 수정 하기 버튼
    - 수정 하기 / 새로 저장
        - Edittext의 내용 yyyy_mm_dd.txt로 저장

Practice

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <DatePicker
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:calendarViewShown="false"
        android:datePickerMode="spinner"
        android:id="@+id/datePicker"/>
    <EditText
        android:id="@+id/editText"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@color/teal_200"
        android:lines="10"/>
    <Button
        android:id="@+id/btnSmt"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/submit"/>
</LinearLayout>
```

Practice

```kotlin
class MainActivity : AppCompatActivity() {
    lateinit var binding : SimpledairyBinding
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        binding = SimpledairyBinding.inflate(layoutInflater)
        setContentView(binding.root)
        var cal = Calendar.getInstance()
        var cYear = cal.get(Calendar.YEAR)
        var cMonth = cal.get(Calendar.MONTH)
        var cDay = cal.get(Calendar.DAY_OF_MONTH)
        lateinit var fName:String
        binding.datePicker.init(cYear,cMonth,cDay){view, year, month, day ->
            fName = "${year}_${month+1}_${day}.txt"
            Log.d( tag: "TAG",fName)
            var str = readDiary(fName)
            binding.editText.setText(str)
        }
        binding.btnSmt.setOnClickListener {  it: View!
            openFileOutput(fName,Context.MODE_PRIVATE).use{  it: FileOutputStream!
                it.write(binding.editText.text.toString().toByteArray())
                Toast.makeText(applicationContext,  text: "$fName 저장", Toast.LENGTH_SHORT).show()
            }
        }
    }
```

```kotlin
    fun readDiary(fName:String) : String?{
        var diaryStr : String?=null
        try{
            openFileInput(fName).bufferedReader().forEachLine{  it: String
                if(diaryStr==null){diaryStr=it}
                else{diaryStr+="\n"+it}
                Log.d( tag: "TAG",diaryStr!!)
                binding.btnSmt.text="수정 하기"
            }
        } catch (e: IOException){
            binding.editText.hint = "일기 없음"
            binding.btnSmt.text = "새로 저장"
        }
        return diaryStr
    }
}
```

```kotlin
class MainActivity : AppCompatActivity() {
    lateinit var binding : SimpledairyBinding
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        binding = SimpledairyBinding.inflate(layoutInflater)
        setContentView(binding.root)
        var cal = Calendar.getInstance()
        var cYear = cal.get(Calendar.YEAR)
        var cMonth = cal.get(Calendar.MONTH)
        var cDay = cal.get(Calendar.DAY_OF_MONTH)
        var fName= "${cYear}_${cMonth+1}_${cDay}.txt"
        binding.editText.setText(readDiary(fName))

        binding.datePicker.init(cYear,cMonth,cDay){view, year, month, day ->
            fName = "${year}_${month+1}_${day}.txt"
            Log.d( tag: "TAG",fName)
            var str = readDiary(fName)
            binding.editText.setText(str)
        }
        binding.btnSmt.setOnClickListener { it: View!
            openFileOutput(fName,Context.MODE_PRIVATE).use{ it: FileOutputStream!
                it.write(binding.editText.text.toString().toByteArray())
                Toast.makeText(applicationContext, text: "$fName 저장", Toast.LENGTH_SHORT).show()
            }
        }
    }
```

Assignment

- SimpleDairy구현하고 코드와 실행 화면 캡쳐하여 워드파일로 제출
  - 파일명:학번_이름_LMSHW9.docx
  - 기한: 5월 7일 23:59 까지