#### Java

```
ublic class MainActivity2 extends AppCompatActivity {
                 private Button send_btn;
                 private RadioGroup rg1,rg2;
                private String sugar = "無糖";
               private String ice_opt = "去冰";
                                 setContentView(R.layout.activity_main2); 連接 main2.xml 畫面
                                  \verb|rg1.setOnCheckedChangeListener| (\verb|new RadioGroup.OnCheckedChangeListener|)| \{ (e.g., e.g., 
                                                   public void onCheckedChanged(RadioGroup radioGroup, int i) {
                                                                                     case R.id.radioButton1: 按下 radioButton1,紀錄無糖字串
甜度
                                                                                       case R.id.radioButton2: 按下 radioButton2,紀錄少糖字串
 ○ 無糖
  ● 少糖
  〇 半糖
                                                                                     case R.id.radioButton3: 按下 radioButton3,紀錄半糖字串
  ○ 全糖
                                                                                                                                                                                             按下 radioButton4, 紀錄全糖字串
```

```
rg2 = findViewById(R.id.radioGroup2);
      rg2.setOnCheckedChangeListener(new_RadioGroup.OnCheckedChangeListener() {
          @Override
          public void onCheckedChanged(RadioGroup radioGroup, int i) {
   switch (i){
                  case R.id. radioButton5:
                       ice_opt = "微冰"; 按下 radioButton5, 紀錄微冰字串
                  case R.id.radioButton6:
ice_opt = "少冰"; 按下 radioButton6, 紀錄少冰字串
冰塊
〇 微冰
〇少冰
                  case R.id.radioButton7:
                      ice_opt = "正常冰";
● 正常冰
                                      按下 radioButton7,紀錄正常冰字串
                      break;
      });
```

```
send_btn = findViewById(R.id.btn_send); 連接Button 元件
send_btn.setOnClickListener(new View.OnClickListener() { Button 點擊事件
    @Override
    public void onClick(View view) {
        set_drink = findViewById(R.id.ed_drink);
                                                       連接 EditText 元件
        String drink = set_drink.getText().toString();取得 EditText 字串內容
        Intent i = new Intent();
        Bundle b = new Bundle();
        b.putString("suger", suger);
b.putString("drink", drink);
b.putString("ice", ice_opt);
                                             把甜度與冰塊資訊放入 Bundle
        i.putExtras(b);
        setResult( resultCode: 101, i);
                                            用 101 標記執行狀態並記錄 Intent
        finish();
});
```

```
請根據下方按鈕選擇要顯示的物件
      y void onCreate(Bundle savedInstanceState) {
r.onCreate(savedInstanceState); 初始化 Activity
ontentView(R.layout.activity_main); 連接 main1.xml 畫面
                                                                                                                                        自定義TOAST 顯示L
Button btn = findViewById(R.id.button); 連接 Button 元件
btn.setOnClickListener(new View.OnClickListener() { Button 點擊事件
     @Override
public void onClick(View view) {
           final AlertDialog.Builder dialog = new AlertDialog.Builder( context MainActivity.this); 建立 AlertDialog 物件
          dialog.setTitle("調選擇功能");
dialog.setMessage("請根據下方按鈕選擇要顯示的物件");
          dialog.setNeutralButton( text: "取游", new DialogInterface.OnClickListener() {
                    erride
lic void onClick(DialogInterface dialogInterface, int i) {
Toast.makeText( context: MainActivity.this, text: "dialog順層",Toast.LENGTH_SHORT).show();
                                                            使用 makeText 顯示訊息
          dialog.setNegativeButton( lext: "自定義Toast", new DialogInterface.OnClickListener() {
    @Override
    public void onClick(DialogInterface dialogInterface, int i) {
        showToast();
                                                              執行副程式來顯示客製化 Toast
          dialog.setPositiveButton( text: "顯示list", new DialogInterface.OnClickListener() {
               GOVERTIDE

governide

public void onClick(DialogInterface dialogInterface, int i) {

showListDialog();

劫行副程式來顯示含列表
                                                         執行副程式來顯示含列表的對話框
          }); '
dialog.show();
```

## Kolin

```
| Disport | ... | Disport | .
```

# Lab5

## main

```
package com.example.myapplication

import ...

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
            setContentView(R.layout.activity_main)

        Log.e( tag: "MainActivity", [msg: "onCreate")

        val adapter = ViewPagerAdapter(supportFragmentManager)

        findViewById<ViewPager>(R.id.viewPager).ndapter = adapter
}

override fun onRestart() {
        super.onRestart()
        Log.e( tag: "MainActivity", [msg: "onRestart")
        }
        override fun onStart() {
            super.onStart()
            Log.e( tag: "MainActivity", [msg: "onStart")
        }
        override fun onResume() {
            super.onResume()
            Log.e( tag: "MainActivity", [msg: "onResume")
        }
        override fun onPause() {
            super.onPause()
            Log.e( tag: "MainActivity", [msg: "onPause")
        }
}
```

```
override fun onStop(){
    super.onStop()
    Log.e( tag: "MainActivity", msg: "onStop")
}
override fun onDestroy(){
    super.onDestroy()
    Log.e( tag: "MainActivity", msg: "onDestroy")
}
}
}
class ViewPagerAdapter(fm: FragmentManager) : FragmentPagerAdapter(fm){
    override fun getItem(position: Int) = when(position) {
        0 -> FirstFragment()
        1 -> SecondFragment()
        else -> ThirdFragment()
    }
    override fun getCount() = 3
```

### First

```
package com.example.myapplication

import ...

class FirstFragment : Fragment(){

    override fun onCreate(savedInstanceState: Bundle?) {

        super.onCreate(savedInstanceState)

        Log.e( lag: "FirstFragment", msg: "onCreate")

    }

    override fun onCreateView(inflater: LayoutInflater, container: ViewGroup?, asvedInstanceState: Bundle?): View?{

        Log.e( lag: "FirstFragment", msg: "onCreateView")

        return inflater.inflate(R.layout.fragment_first,container, attachToRoot false)

}

override fun onActivityCreated(savedInstanceState:Bundle?){

        super.onActivityCreated(savedInstanceState)

        Log.e( lag: "FirstFragment", msg: "onActivityCreated")

}

override fun onStart(){

        super.onStart()

        Log.e( lag: "FirstFragment", msg: "onStart")

}

override fun onResume(){

        super.onResume()

        Log.e( lag: "FirstFragment", msg: "onResume")

}

override fun onPause(){

        super.onPause()

        Log.e( lag: "FirstFragment", msg: "onPause")

}
```

```
override fun onStop(){
    super.onStop()
    Log.e( tag: "FirstFragment", msg: "onStop")
}

override fun onDestroyView(){
    super.onDestroyView()
    Log.e( tag: "FirstFragment", msg: "onDestroyView")
}

override fun onDestroy(){
    super.onDestroy()
    Log.e( tag: "FirstFragment", msg: "onDestroy")
}

override fun onDetach(){
    super.onDetach()
    Log.e( tag: "FirstFragment", msg: "onDetach")
}
```

## Second

```
package com.example.myapplication

import ...

class SecondFragment : Fragment(){

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

Log.e(lag: "SecondFragment", msg: "onCreate")

}

override fun onCreateView(inflater: LayoutInflater, container: ViewGroup?, asvedInstanceState: Bundle?): View?{

Log.e(lag: "SecondFragment", msg: "onCreateView")

return inflater.inflate(R.layout.fragment_second,container, attachToRoot false)

}

override fun onActivityCreated(savedInstanceState:Bundle?){

super.onActivityCreated(savedInstanceState)

Log.e(lag: "SecondFragment", msg: "onActivityCreated")

}

override fun onStart(){

super.onStart()

Log.e(lag: "SecondFragment", msg: "onStart")

}

override fun onResume(){

super.onResume()

Log.e(lag: "SecondFragment", msg: "onResume")

}

override fun onPause(){

super.onPause()

Log.e(lag: "SecondFragment", msg: "onPause")

}
```

```
override fun onStop(){
    super.onStop()
    Log.e( tag: "SecondFragment", msg: "onStop")
}

override fun onDestroyView(){
    super.onDestroyView()
    Log.e( tag: "SecondFragment", msg: "onDestroyView")
}

override fun onDestroy(){
    super.onDestroy()
    Log.e( tag: "SecondFragment", msg: "onDestroy")
}

override fun onDetach(){
    super.onDetach()
    Log.e( tag: "SecondFragment", msg: "onDetach")
}
```

#### Third

```
override fun onStop(){
    super.onStop()
    Log.e( tag: "ThirdFragment", msg: "onStop")
}
override fun onDestroyView(){
    super.onDestroyView()
    Log.e( tag: "ThirdFragment", msg: "onDestroyView")
}
override fun onDestroy(){
    super.onDestroy()
    Log.e( tag: "ThirdFragment", msg: "onDestroy")
}
override fun onDetach(){
    super.onDetach()
    Log.e( tag: "ThirdFragment", msg: "onDetach")
}
```

```
btn_dialog1.setOnClickListener {  it: View!
   AlertDialog.Builder( context: this)
      .setTitle("按鈕式ALERTDIALOG")
      .setMessage("ALERTDIALOG內容")
      showToast(msg: "左按鈕")
      showToast(msg: "中接鈕")
      showToast(msg: "右接鈕")
      .show()
btn_dialog2.setOnClickListener {  it: View!
   AlertDialog.Builder( context: this)
      .setTitle("列表式ALERTDIALOG")
      showToast(msg: "你選的是${item[i]}")
      .show()
  btn_dialog3.setOnClickListener {  it: View!
     var position = 0
     AlertDialog.Builder( context: this)
       .setSingleChoiceItems(item, checkedItem: 0){ dialogInterface ,i ->
          position = i
       showToast(msg: "你選的是${item[position]}")
private fun showToast(msg: String) =
  Toast.makeText( context: this, msg, Toast.LENGTH_SHORT).show()
```

# 心得

這次是第二次的機會讓我學習到 kolin 的一些基本語法,利用練習前三次的 Lab 將點餐和訊息提醒元件的功能再現,並且比較出java 和 kolin 的差異在哪,例如:kolin 不須分號、宣告的方式也不

同、使用的語法較高階等等,讓我比較不會搞混而產生語法錯誤的 狀況,非常謝謝老師有這麼樣棒的想法讓我們能邊做功課,邊複習 上課所學。