

# U01\_201\_snippet

### main.xml

<!-- TO DO -->

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="@string/exchangerate"/>
```

```
<EditText
    android:id="@+id/etRate"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:ems="10"
    android:inputType="numberDecimal"
    android:text="" />
```

```
<TextView
    android:id="@+id/textView3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="@string/ntd" />
```

```
<EditText
    android:id="@+id/etNTD"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:ems="10"
    android:inputType="numberDecimal"
    android:text="" />
```

```
<Button
    android:id="@+id/btnCompute"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="@string/calc_btn" />
```

```
<TextView
    android:id="@+id/tvResult"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="@string/usd_result" />
```

### GDD02.java (Activity)

// TO DO

//取得 UI

fieldExchangeRate = findViewById(R.id.etRate);

fieldNTD = findViewById(R.id.etNTD);

calcbutton = findViewById(R.id.btnCompute);

tvResult = findViewById(R.id.tvResult);

//計算

calcbutton.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View view) {

        double rate = Double.parseDouble(fieldExchangeRate.getText().toString());

        double ntd = Double.parseDouble(fieldNTD.getText().toString());

        double usd = ntd/rate;//美金 = 台幣/匯率(多少台幣/一美元)

        String msg = getString(R.string.usd\_result)+ String.format("%.2f", usd);

        tvResult.setText(msg);

    }

});

//取得匯率預設值

SharedPreferences sp = getSharedPreferences(PREF\_ExchangeRate,MODE\_PRIVATE);

String spRate = sp.getString(PREF\_ExchangeRate,"");

fieldExchangeRate.setText(spRate);

....

protected void onPause()

{ super.onPause();

  SharedPreferences settings = getSharedPreferences(PREF\_ExchangeRate, 0);

  //\*\*\* 會發生Null Point 修正

  settings.edit().putString( PR

    EF\_ExchangeRate,

  fieldExchangeRate.getText()==null?"":fieldExchangeRate.getText().toString()).commit();

}