

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(  
        PREF_ExchangeRate,  
  
fieldExchangeRate.getText()==null?"":fieldExchangeRate.getText().toString()).commit();  
}
```