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 = findViewByld(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();
}
```