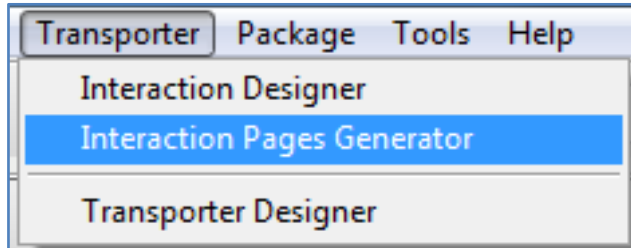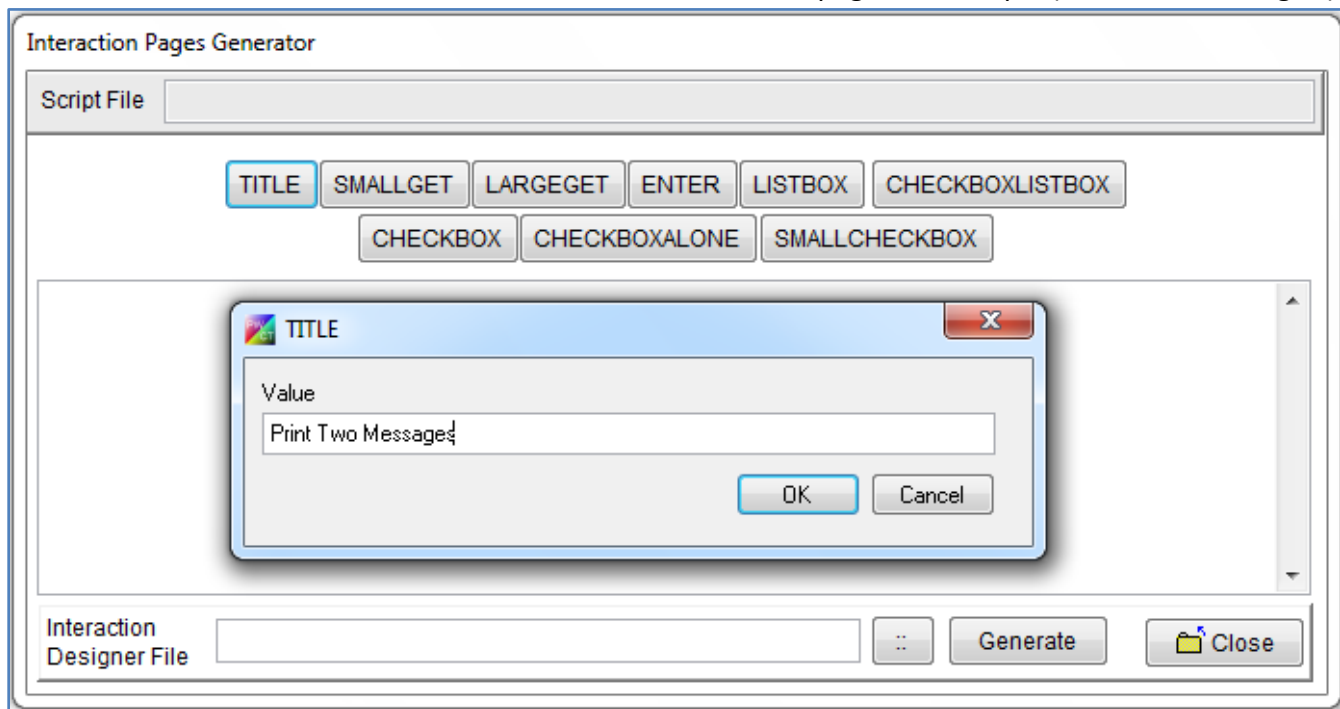Creating New VPL (Visual Programming Language) for PWCT – Lesson (7)
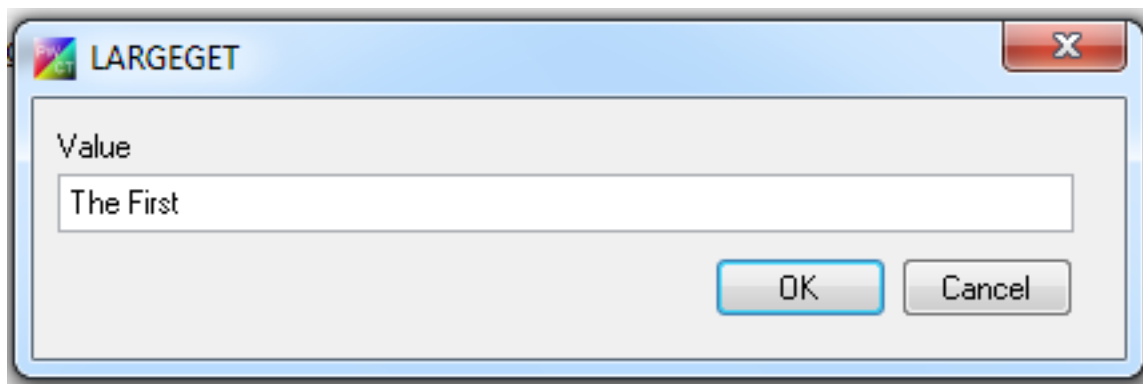
In this lesson we are going to learn how to create a step and a sub step and how to determine the step parent , at first we will use NewVPLPWCT and move to the Transporter menu then select Interaction Pages Generator to create a new interaction page which will print two messages .

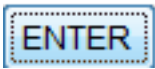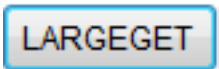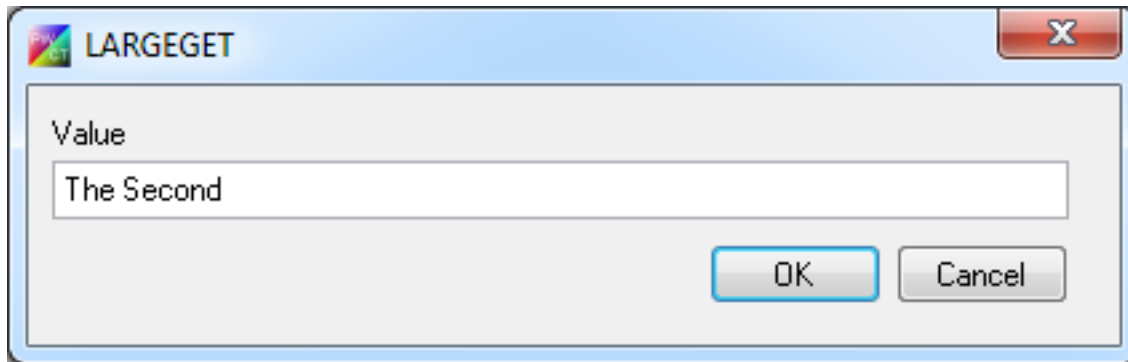Click the TITLE button to determine the title of the interaction page for example (Print Two Messages)

Then click on the LARGEGE LARGEGET button to add a label and a textbox to determine the first message

Click on the ENTER button ENTER , then click on the LARGEGET button LARGEGET again to determine the second message

LARGEGET

Value

The Second

OK   Cancel

Save the interaction script file in the folder ISF(Interaction Script Files) SSBUILD\NewVPL\Components\ISF and name it for example (Step Parent .ISF)

the generated interaction page will be saved into the folder IDF(Interaction Designer Files) SSBUILD\NewVPL\Components\ISF , name it for example (Step Print .IDF) , then click on the GENERATE button to generate the interaction page then close
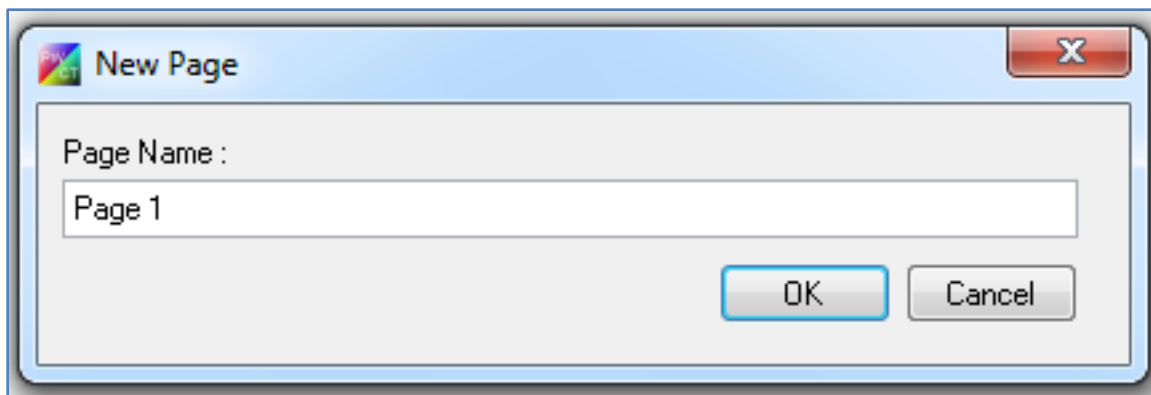
move to the interaction tab to open the interaction designer file (Step Print .IDF)

FILE(C:\SSBUILD\NEWVPL\COMPONENTS\IDF\STEP PARENT.IDF)

Print Two Messages

The First

The Second

After clicking on the properties button you can see the first textbox variable is (D_TB_The_First) and the second text box variable is (D_TB_The_Second)

Now we will write the code mask ,go to the Transporter tab and add the interaction page (page1)

New Page

Page Name :

Page 1

OK   Cancel

Select the interaction designer file (Step Print .IDF), then move to the Code Mask tab to write the code mask script

```
Code :

<RPWI:NEWSTEP>Print Two Messages
<RPWI:PUTMARK>2
<RPWI:SETMARK>2
<RPWI:NEWSTEP>The First Message
<RPWI:PUTMARK>3
<RPWI:SETMARK>3
<RPWI:NEWSTEP>Message <T_First>
<T_First>


<RPWI:SETMARK>2
<RPWI:NEWSTEP>The Second Message
<RPWI:PUTMARK>4
<RPWI:SETMARK>4
<RPWI:NEWSTEP>Message <T_Second>
<T_Second>
```

} code for first step

} code for second step

At first we will create a new step using the <RPWI:NEWSTEP> Command ,step name will be (Print Two Messages)

Now we want a sub step from this step so we will use the command <RPWI:PUTMARK>2 to give a code for this step for example   (2) , Note you have determine the code from 2 to 20

Determine the parent of the new step using the command <RPWI:SETMARK>2

Use the command <RPWI:NEWSTEP>The First Message to create the sub step which has the name(The first Message) from the parent step which has the name (Print Two Messages)
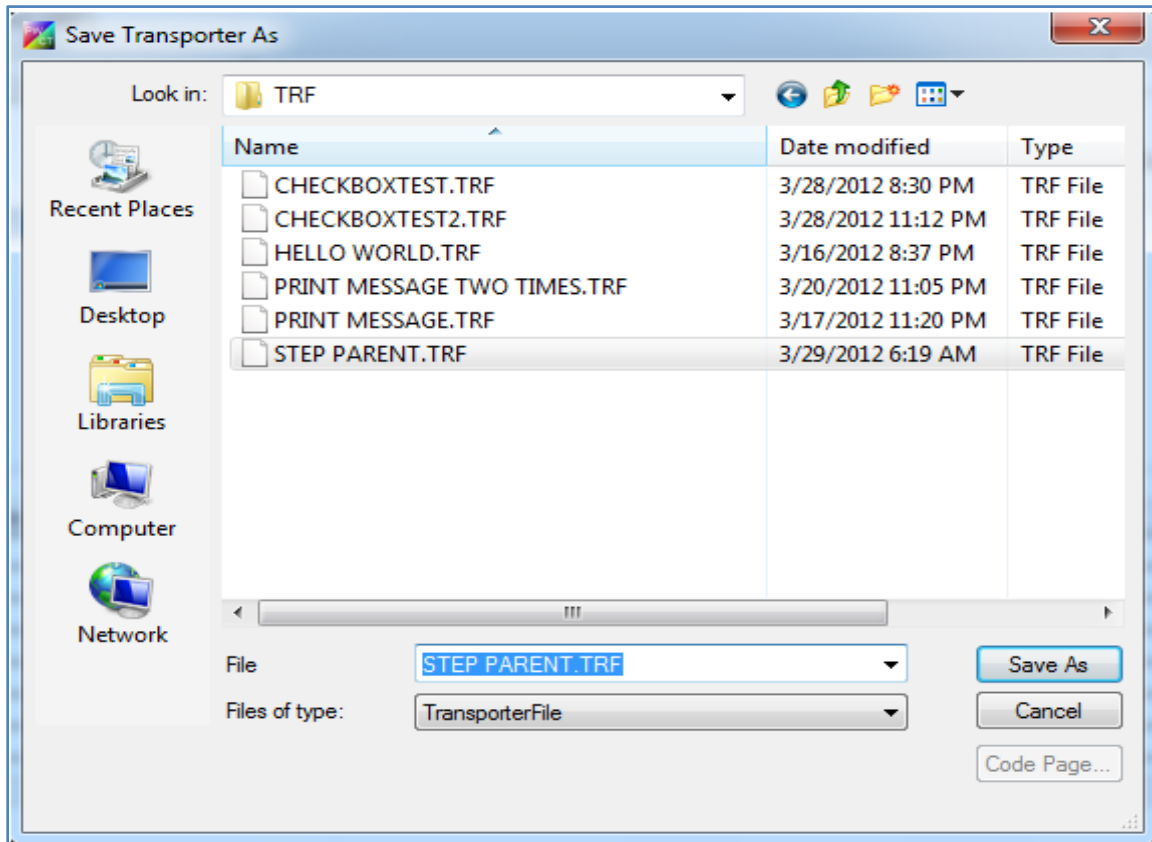
Inside the first message we will create another step that will be a child step use the command <RPWI:PUTMARK>3 then <RPWI:SETMARK>3 and then the command <RPWI:NEWSTEP>Message <T_First> to create the step

Use the <T_First> to print the first message

To determine the second message copy the code of the first message and change the code to <RPWI:PUTMARK>4 and <RPWI:SETMARK>4 also change the step title to the second message <RPWI:NEWSTEP>The Second Message finally change the variable to <T_Second>
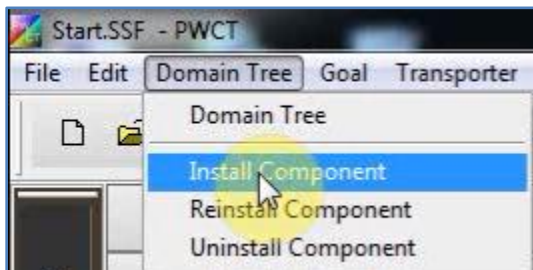
Now move to the matching tab to match between the variable from interaction page (D_TB_The_First) and the variable from the code mask (T_First), also match between the variable from interaction page(D_TB_The_Second)and the variable from the code mask (T_Second).

Then save the component into the (TRF)folder C:\SSBUILD\NewVPL\Components\TR and name it for example (stepparent.TRF)

Now save and close

Now we will install the component to do this, click (Domain Tree) then select (Install Component)

Component name: StepParent test

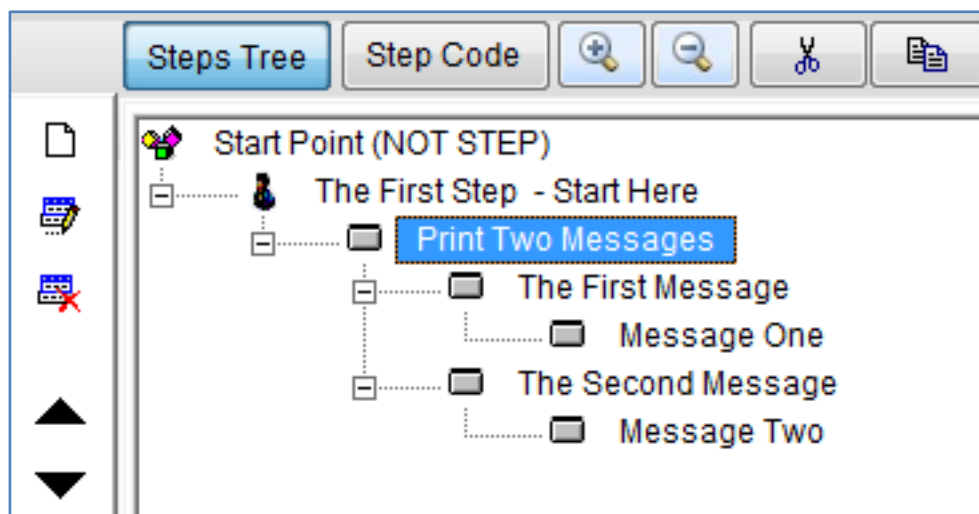Component file: C:\SSBUILD\NEWVPL\COMPONENTS\TRF\STEPPARENT.TRF

Domain: User Interface

Install Component

Name :	Step Parent Test
File :	C:\SSBUILD\NEWVPL\COMPONENTS\TRF\STEP PAREI	:::
Domain :	User Interface	:::

Install   Close

Click install , and now it is the time for test our component

click interact   then select the User Interface domain then select Step parent Test , type your first message for example (One) and type your second message for example (Two) then press ok

FILE(C:\SSBUILD\NEWVPL\COMPONENTS\IDF\STEP PARENT.IDF)

Print Two Messages

| The First | One |
| The Second | Two |

| Steps Tree | Step Code | ⊕ | ⊖ | ✂ | ⧉ |

Start Point (NOT STEP)
  The First Step - Start Here
    Print Two Messages
      The First Message
        Message One
      The Second Message
        Message Two

Finally click on the button **!** to see the result

now we see the two messages on the browser

☐ file:///C:/ssbuild/n...vpl/start/START.html **+**

← ☐ file:///C:/ssbuild/newvpl/start/START.html

One Two