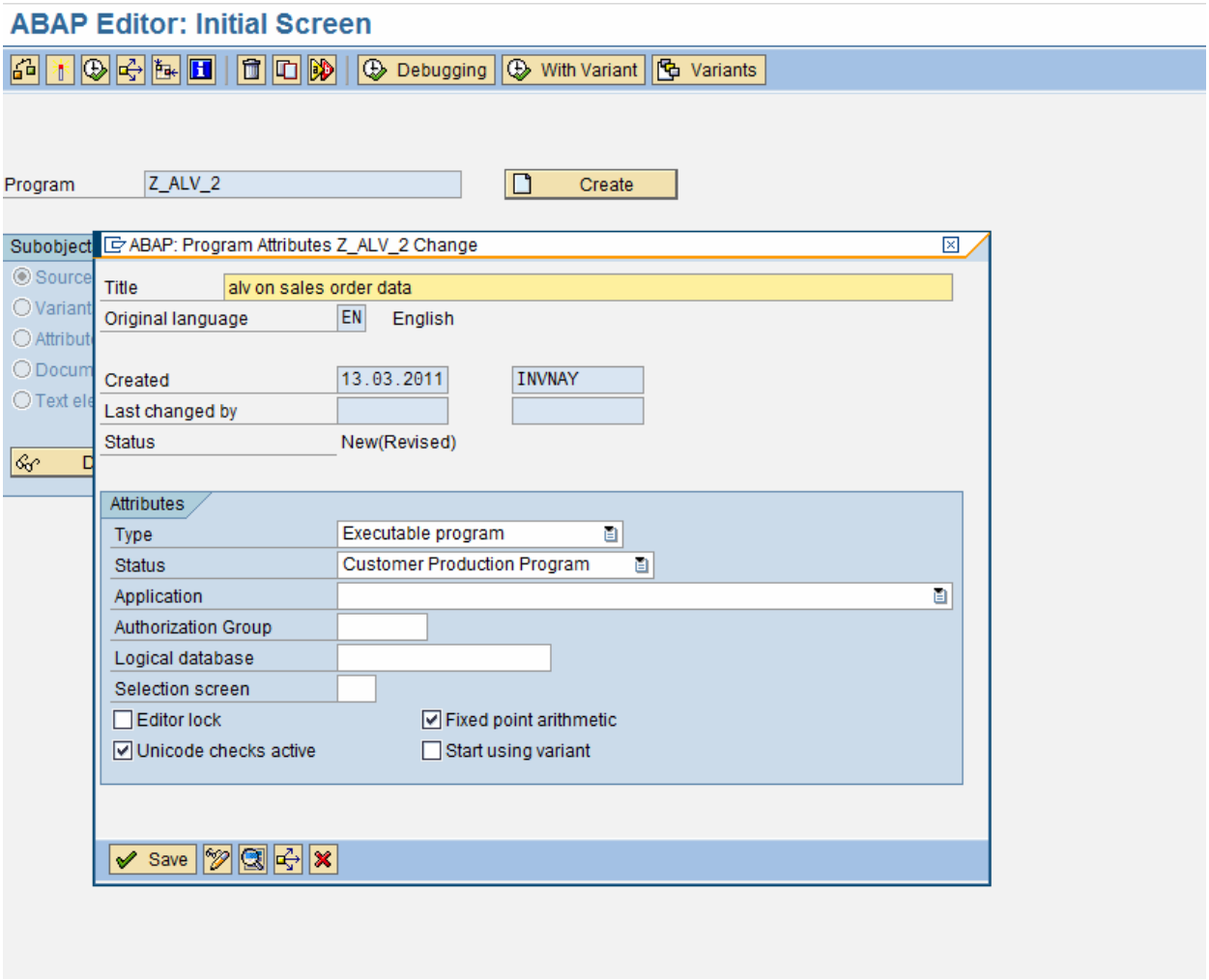
Scenario – This is an ALV report on the Sales Order Data as per the billing date given in the selection screen with the help of Oops Concept

1) Create the program with the following attributes



2) We initially have to do all the declarations required for the progam.

3) Code for the program is in the following attachment

```
In get_billing_data using the selection screen parameters get the *
                        *     billing data from billing header(VBAK) and Item (VBAP)          *
                        * 2.  Get the SHIP-TO partner data from VBPA using Customer number
as  *
                        *     one condition and store in it_vbpa_sh
                        * 9.  Popultae the ALV display table
```


2 alv.txt

4) Now for displaying the data in an interactive report using oops, we need to make sure, we have the data in an internal table that has to be displayed in the output. (perform data_retrieval)

```
126   start-of-selection.
127
128
129   * get billing data from delivery header(vbrk) and item (vbrp)
130     perform get_billing_data.
131
132   * get ship-to country
133     perform get_ship_to_data.
134
135   * get material group description 3
136     perform get_material_group_3.
137
138   * get material group description 4
139     perform get_material_group_4.
140
141   * form the alv grid title
142     perform form_title.
143
144   * process data
145     perform process_data.
146
147   * populate text descriptions
148     perform populate_description.
149
150
151   *-------------   event end-of-selection  -------------------------------*
152   end-of-selection.
153   * set the text to when date high is there
154     if not s_fkdat-high is initial.
155       w_to = 'to'(c16).
156     endif.
157
158   * call the scren 9000 for alv display
159     call screen 9000.
```

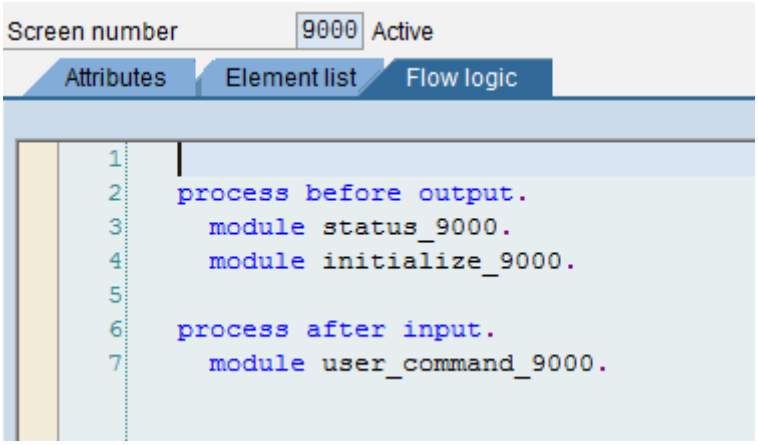
5) We do the data retrieval in the first four performs.

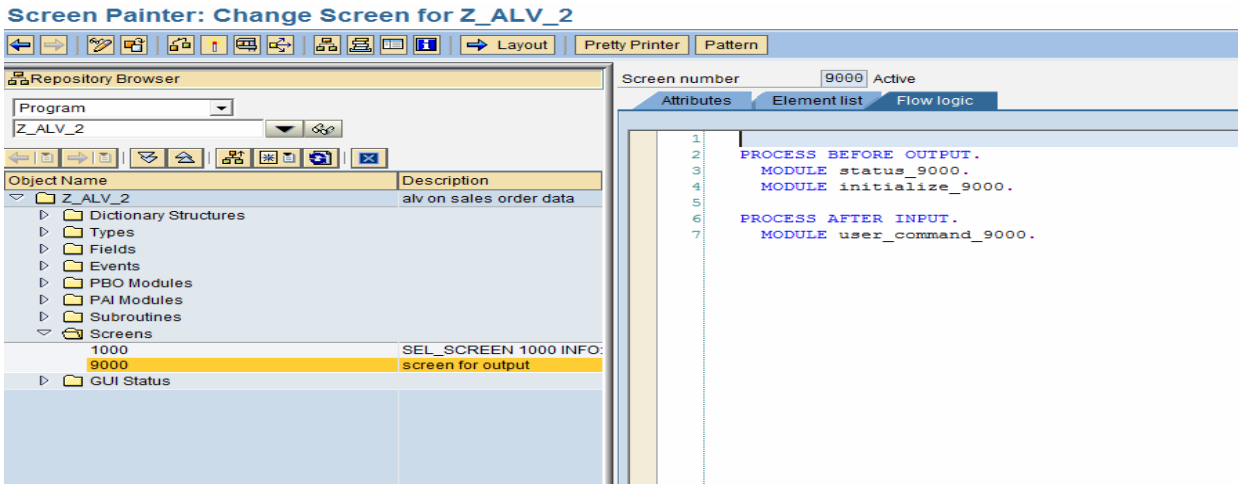
6) In the perform form_title, we fill the variable ‘w_title’ with the title that has to come for the alv report output.

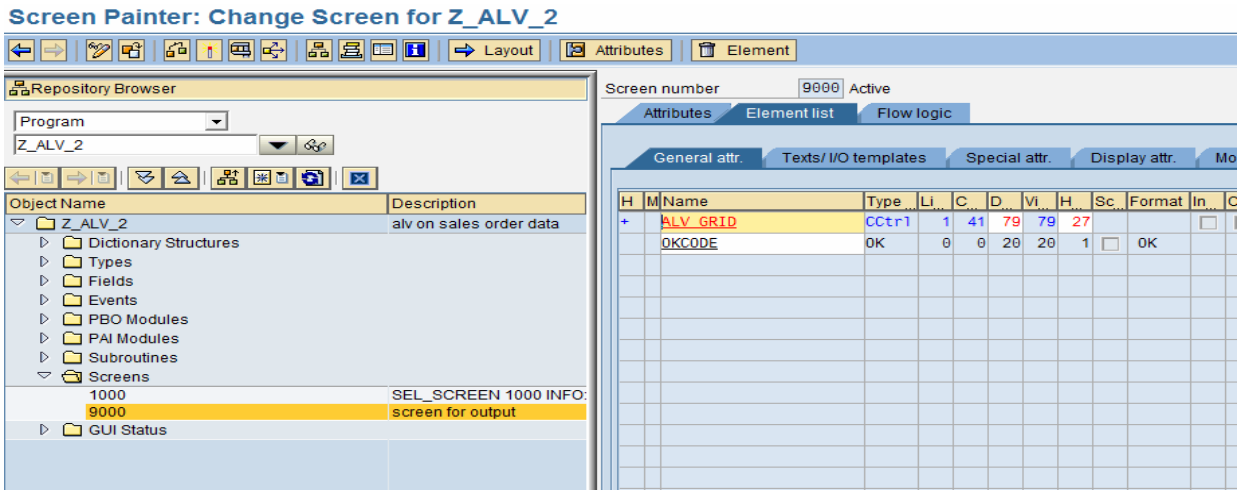
7) In the perform process_data, we do all the calculations required in the FS and fill the data into the final internal table it_data.

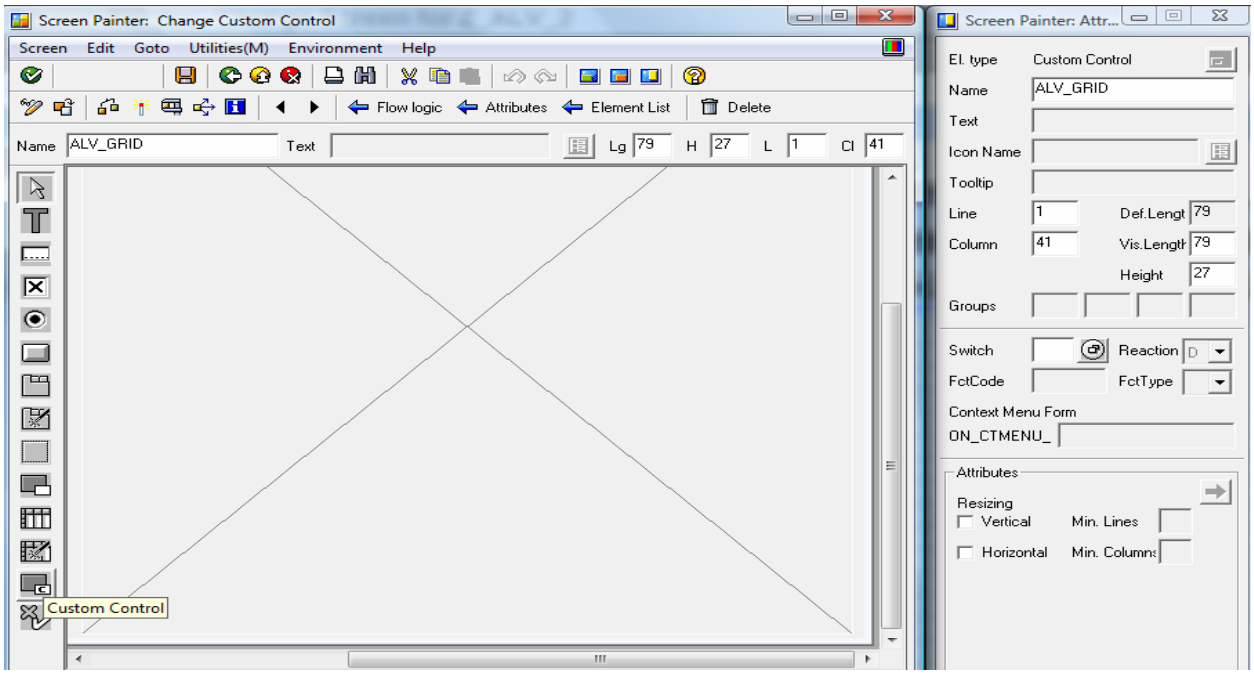
8) And finally in the perform populate_description we fill the final it_data with the description fields and also we append this table with the Grand Total value in a different color.

9) After all this process we call the screen 9000.



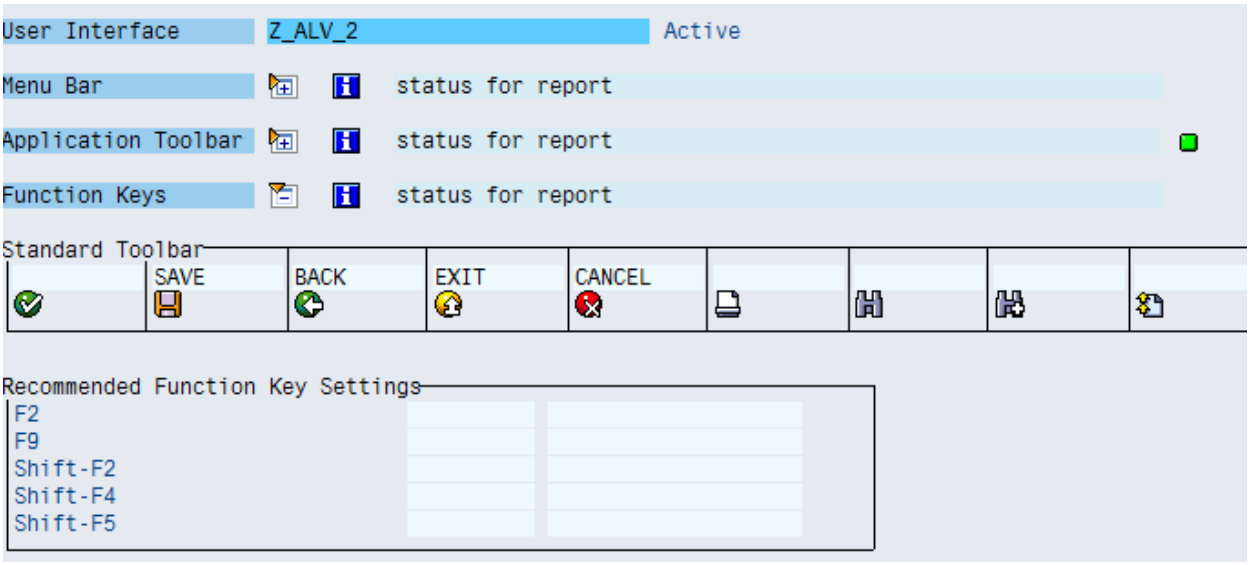






10) Now the screen should have a status bar and the code for this is

```
module status_9000 output.
  set pf-status 'MAIN9000'.
  set titlebar 'TITLE_9000'.
endmodule.                    "
```



11) Take the standard required fields and give the names of the push buttons as shown above.

12) In the module initialize_9000, do the following code.

```
module initialize_9000 output.
* call the alv grid to display data
  perform display_alv_grid.

endmodule.
```

13) In this perform ,we need to create an object of the instance of the class cl_gui_custom_container and pass the container name which we created in the screen.

14) Now create an object for the instance of the class 'cl_gui_alv_grid' and pass the object created in the step 13 as the parent in the export parameter.

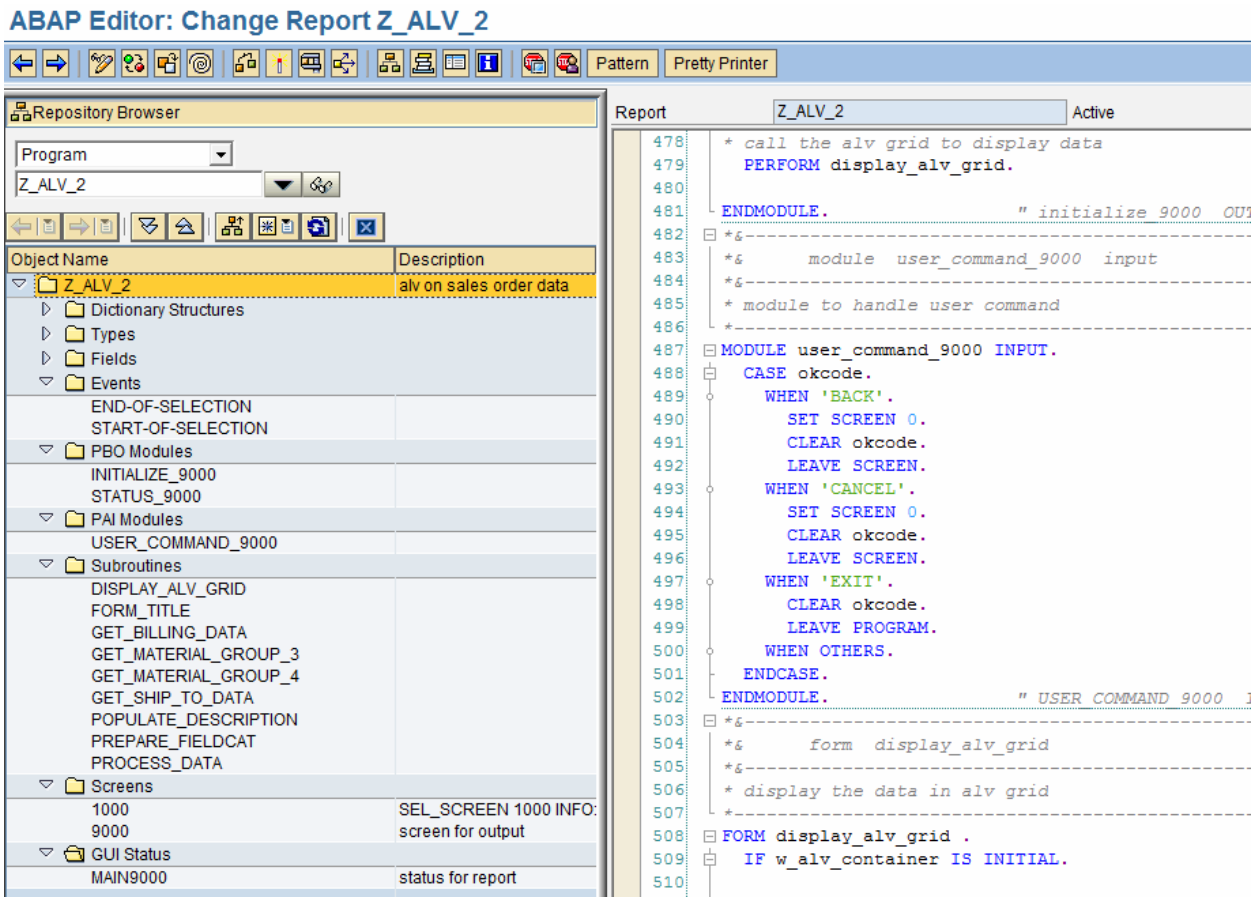
15) Now create the field catalog in wt_filedcatalog.

16) Now call the method in the object created in step 14 as follows –

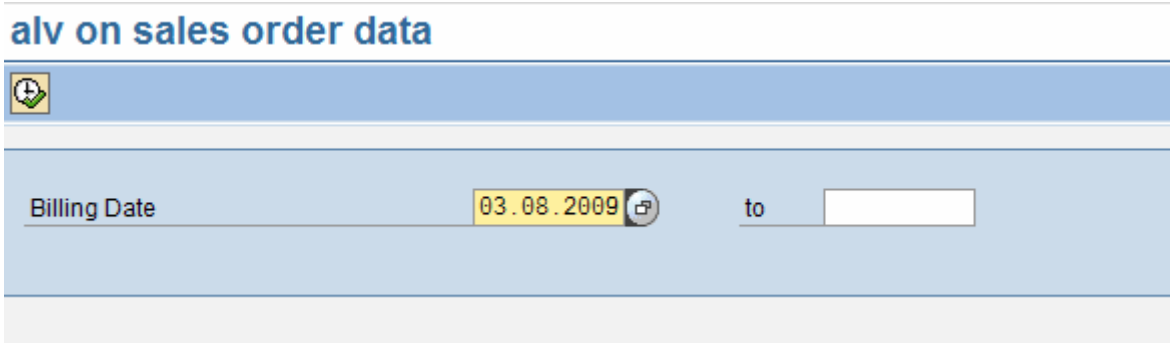
```
call method w_alv_grid->set_table_for_first_display

    In this method pass the parameters layout, it_outtab and the field
catalog mandatorily.
```

17) In the PAI , user command input put in the following code.

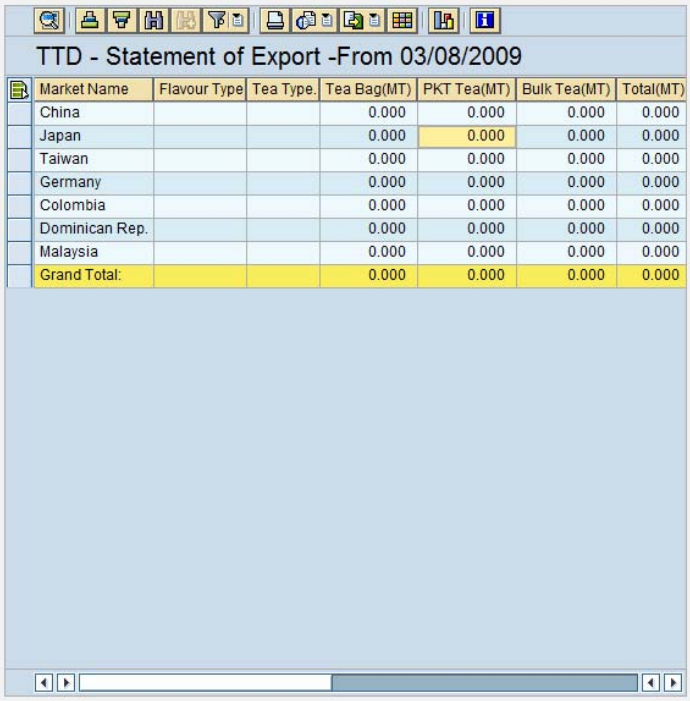


Now we are ready with the code for ALV using Oops, screen 9000 with a container which is mandatory while working on ALV with oops, and the status bar for the screen. Now execute the report and we get the following selection screen.



Input some test data for the billing date and you get the output in the container area that is defined in the screen 9000.

SAP



TTD - Statement of Export -From 03/08/2009

Market Name	Flavour Type	Tea Type.	Tea Bag(MT)	PKT Tea(MT)	Bulk Tea(MT)	Total(MT)
China			0.000	0.000	0.000	0.000
Japan			0.000	0.000	0.000	0.000
Taiwan			0.000	0.000	0.000	0.000
Germany			0.000	0.000	0.000	0.000
Colombia			0.000	0.000	0.000	0.000
Dominican Rep.			0.000	0.000	0.000	0.000
Malaysia			0.000	0.000	0.000	0.000
Grand Total:			0.000	0.000	0.000	0.000