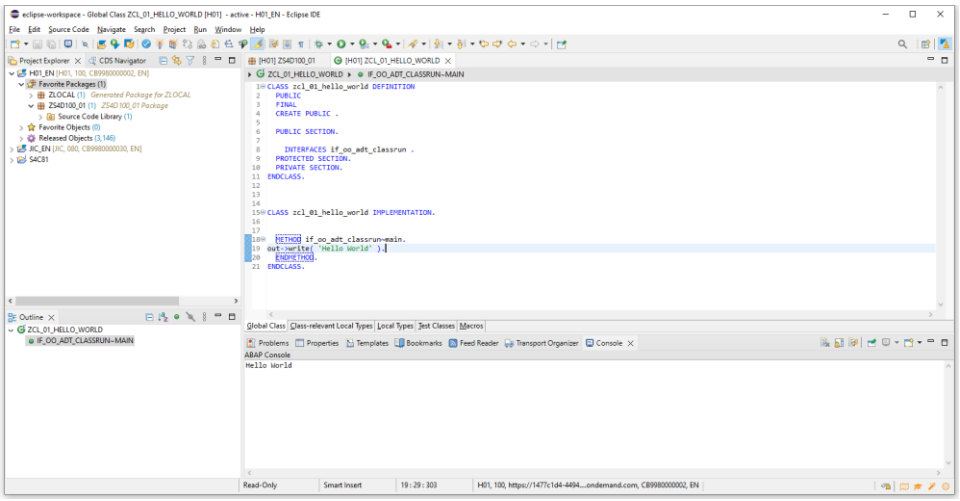
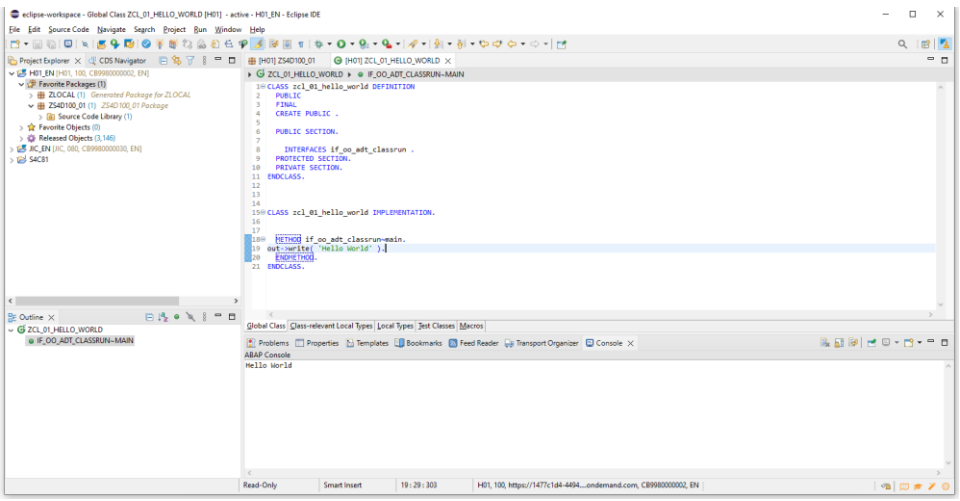
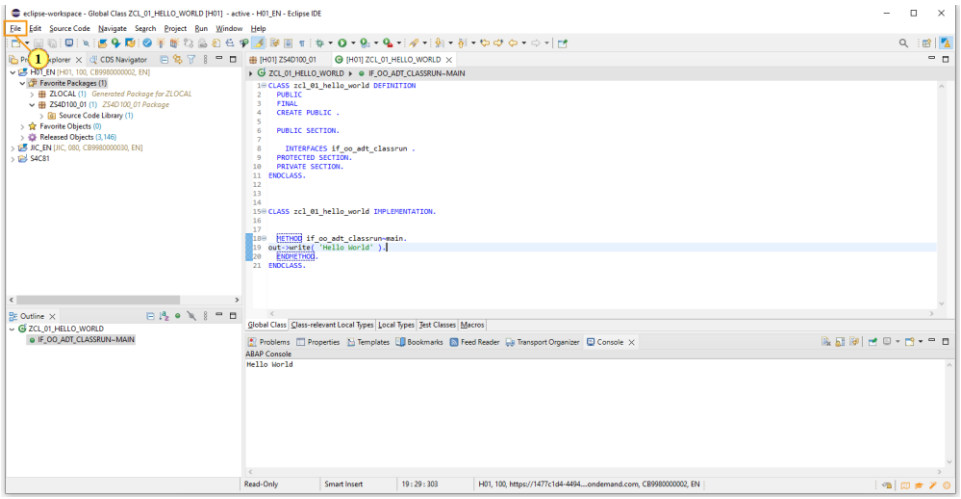
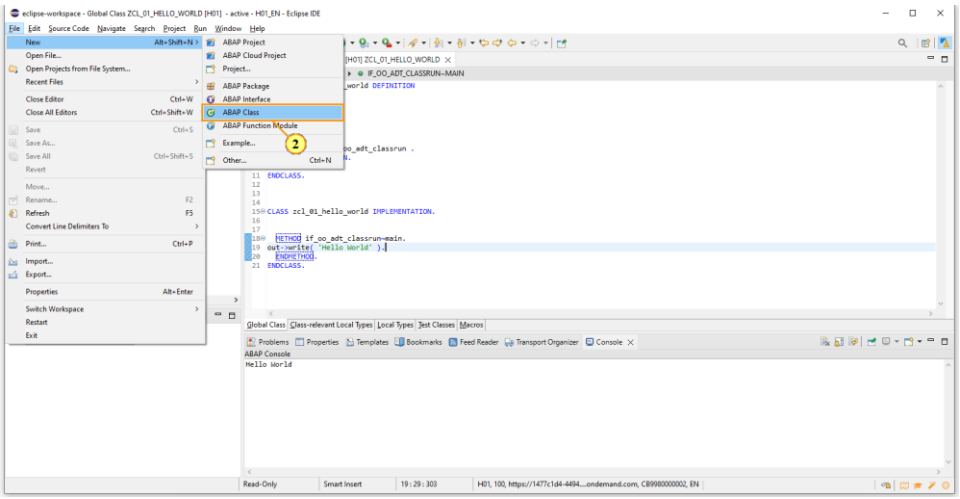
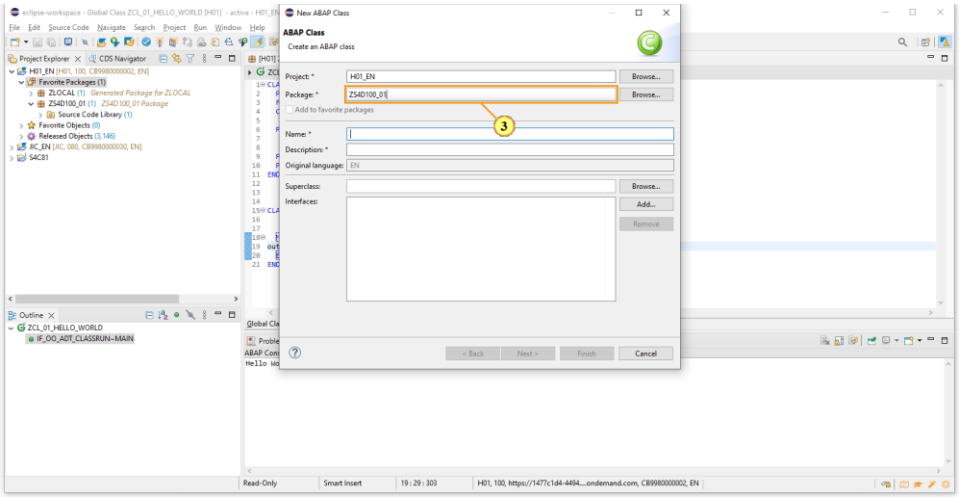
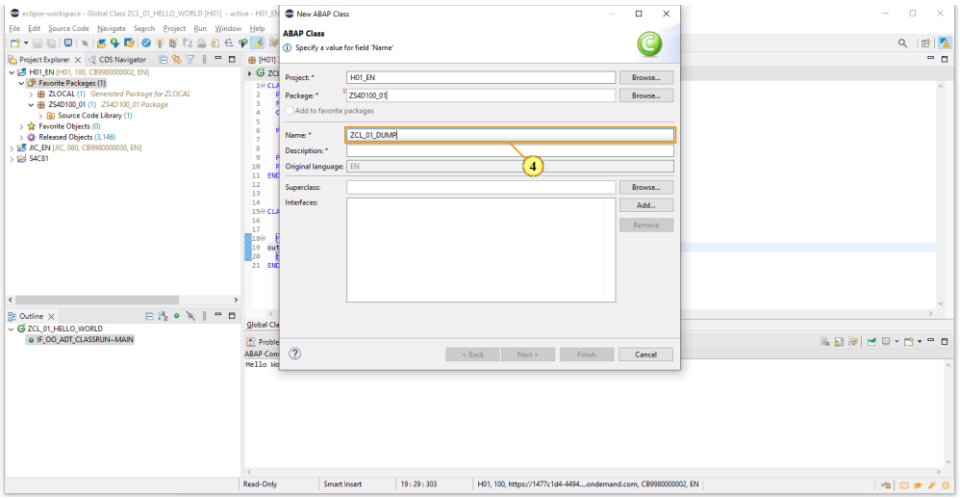
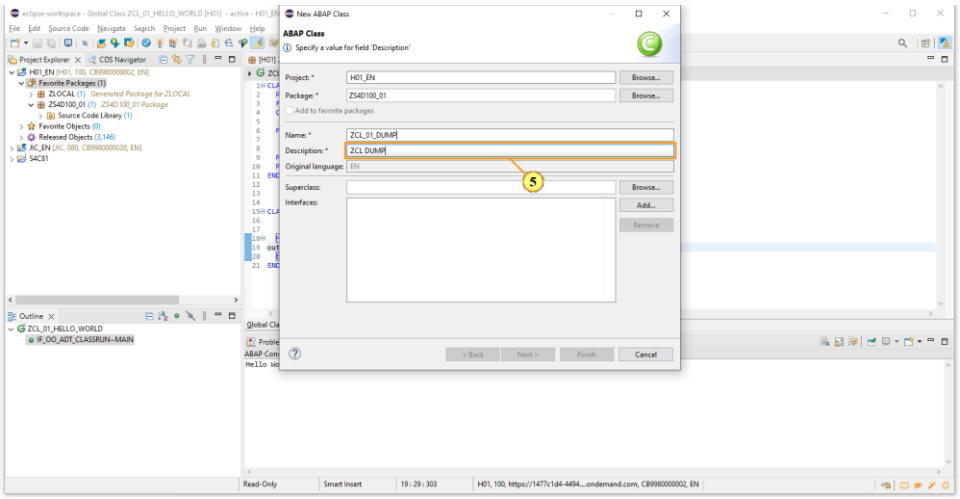
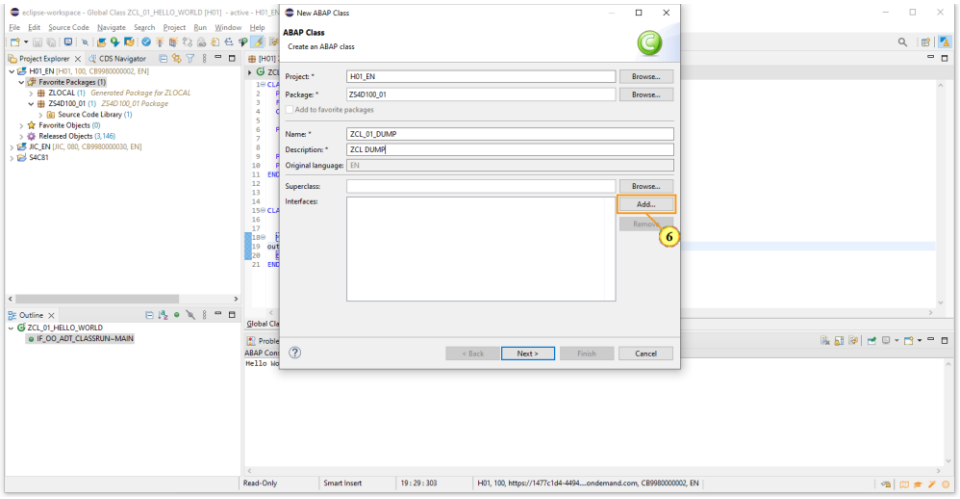
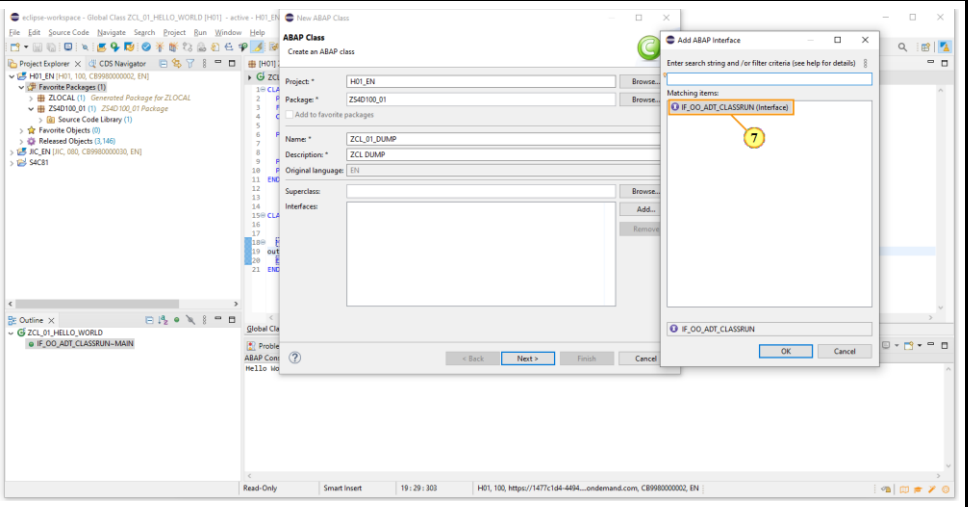
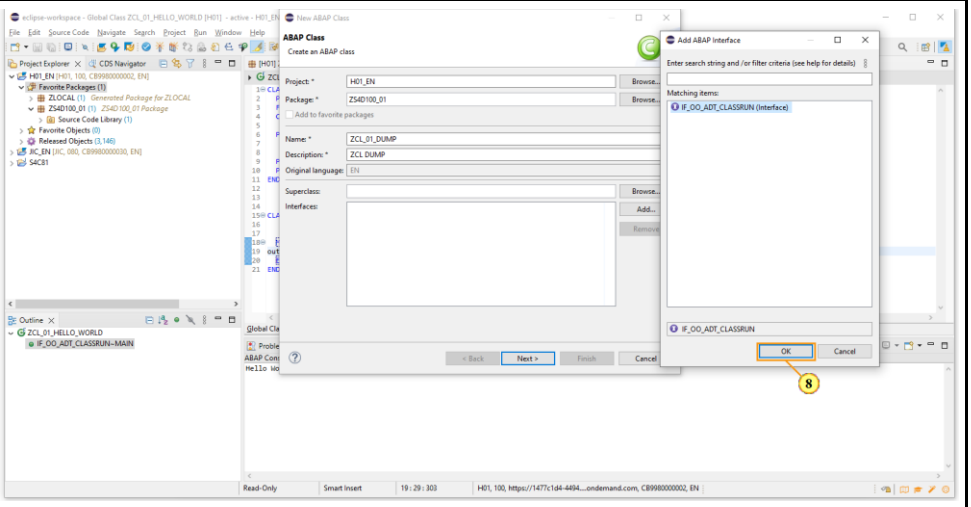
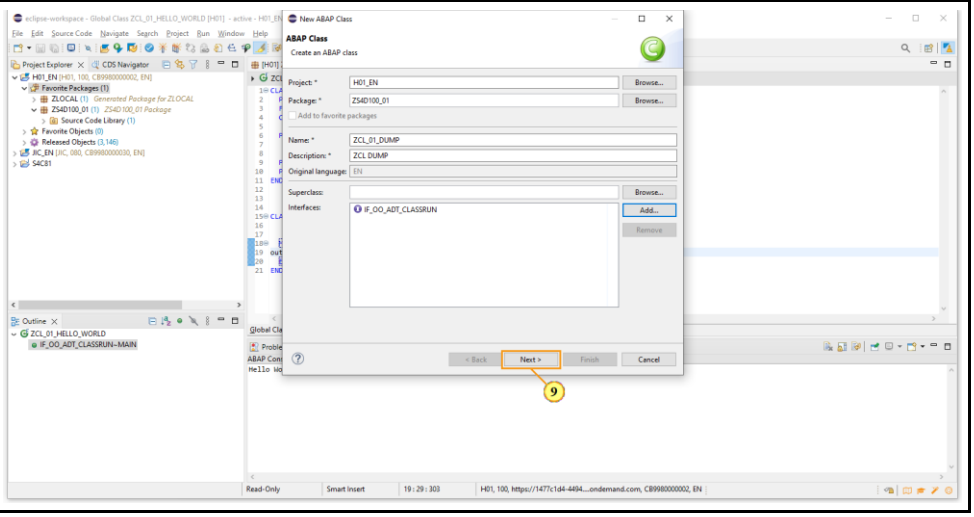
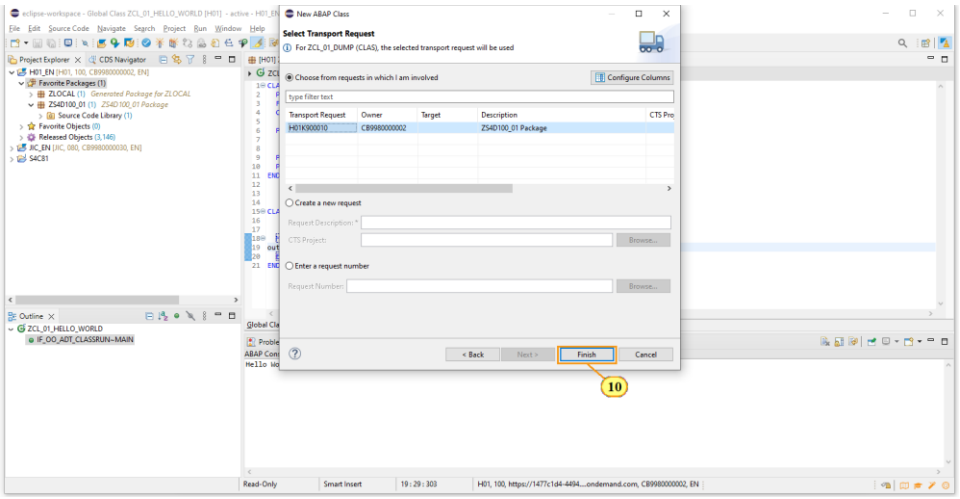
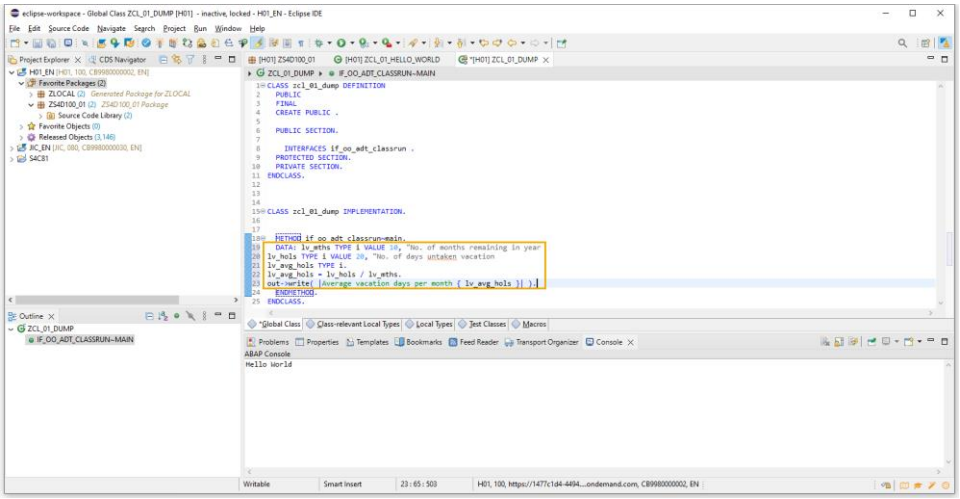
Use Conditional Logic to Avoid a Runtime Error

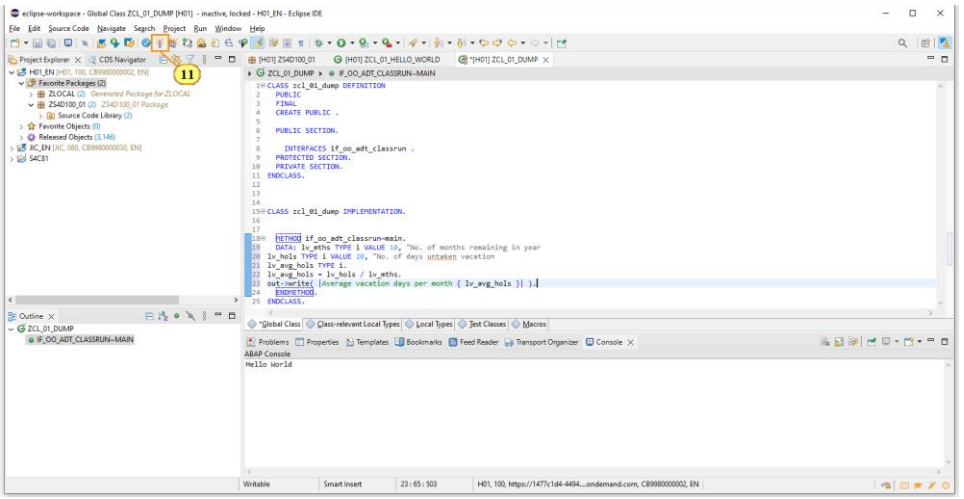
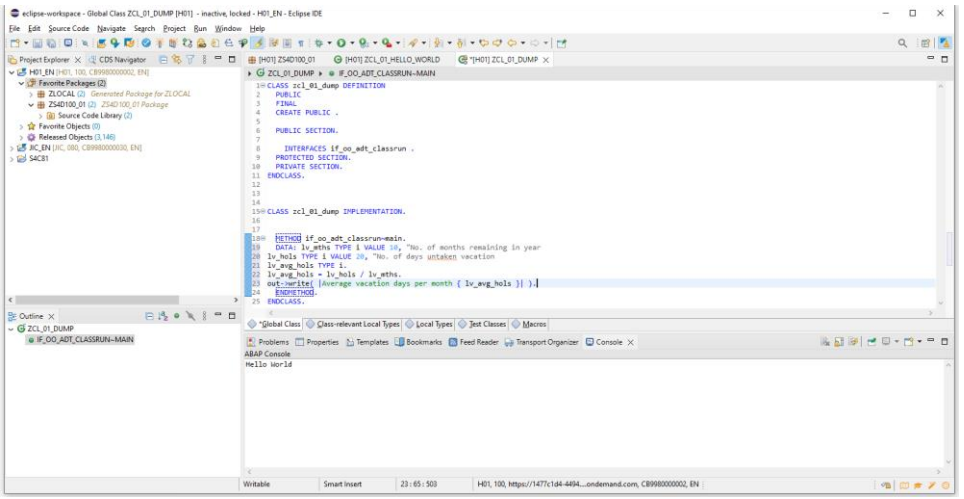
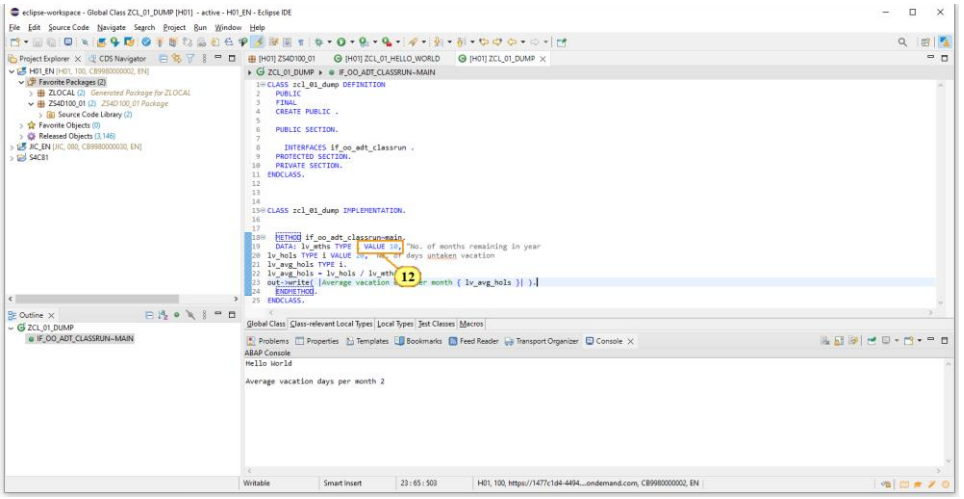
Explanation	Screenshot
ⓘ One of your colleagues created a program that calculates the average number of vacation days remaining for each month left in the year. Another colleague mentioned that the program performs strangely when there are no months remaining in the year. Test the program and make any changes necessary to ensure that it works in all circumstances. To learn more about how to use conditional logic to avoid a runtime error, follow this interactive tutorial.	
ⓘ In the following steps, you will create a new ABAP class.	

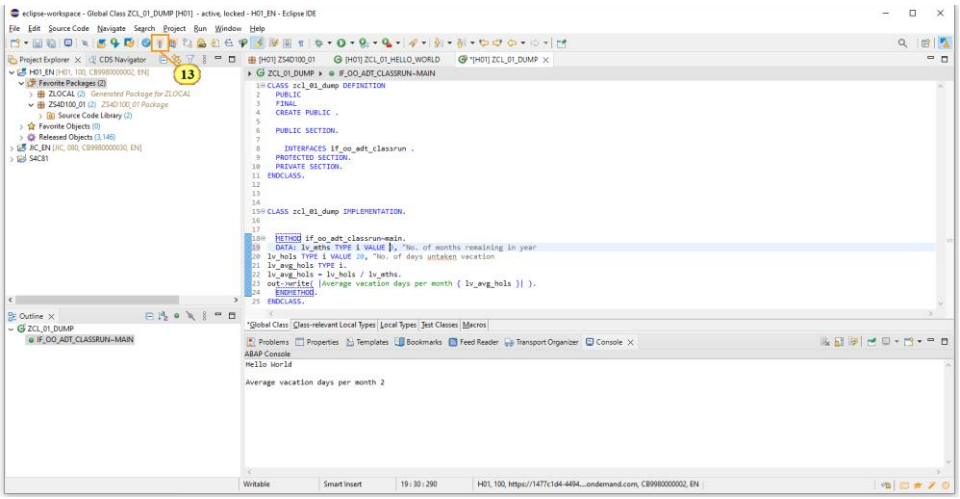
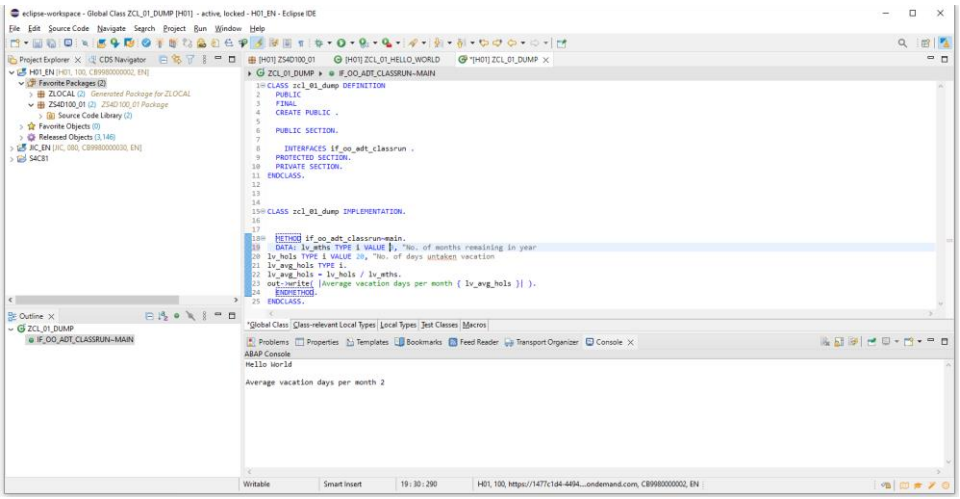
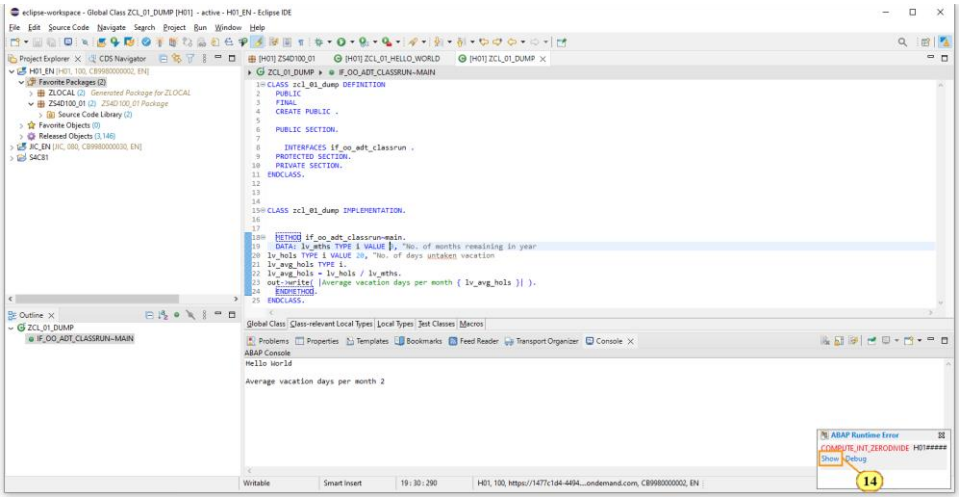
Explanation	Screenshot
1. Choose *File*.	
2. Choose *New* > *ABAP Class*.	
3. In the *Package* field, enter **ZS4D100_01**.	

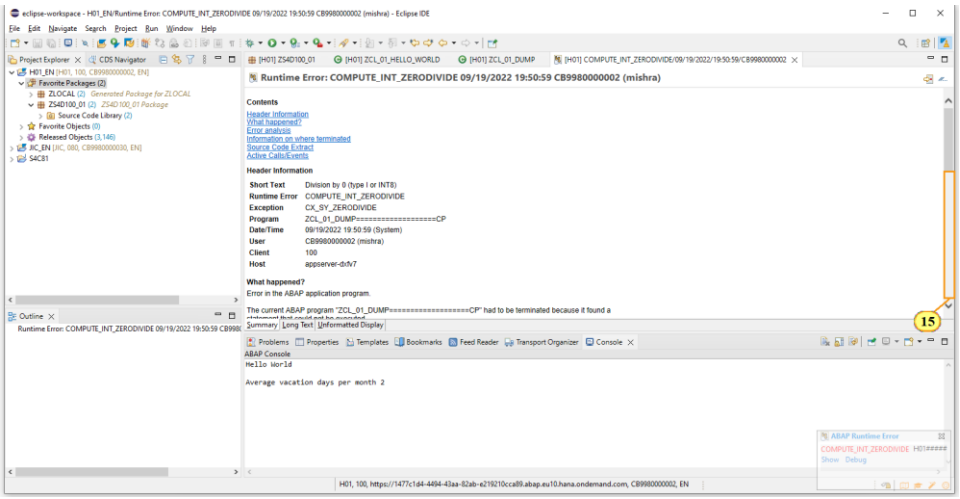
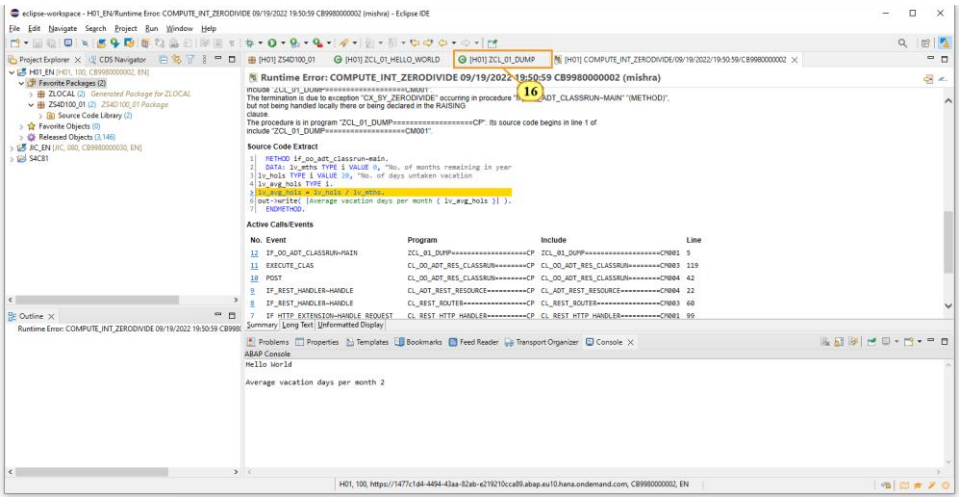
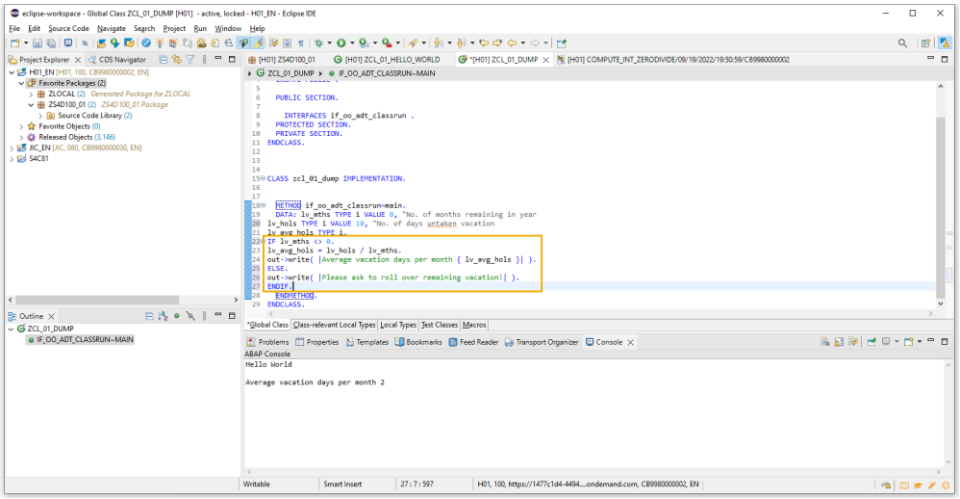
Explanation	Screenshot
4. In the *Name* field, enter **ZCL_01_DUMP**.	
5. In the *Description* field, enter **ZCL DUMP**.	
6. Choose *Add*.	

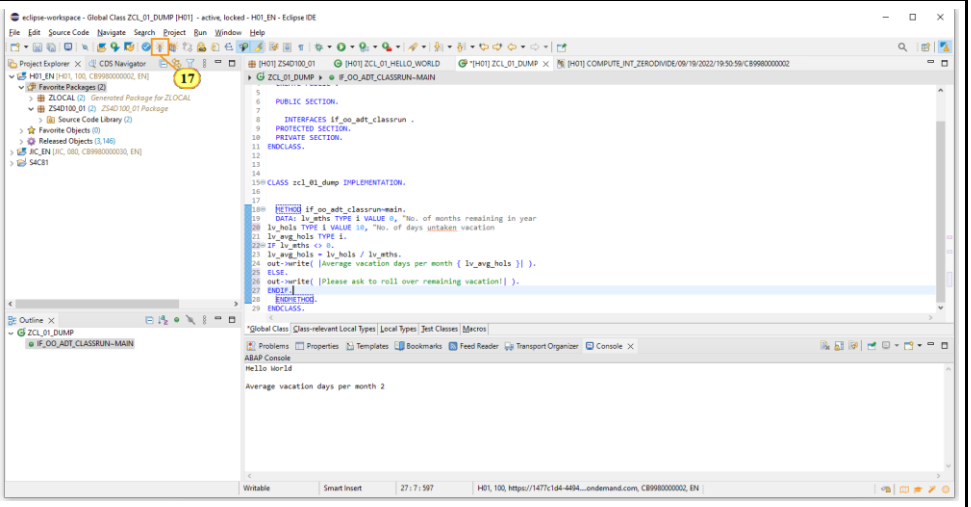
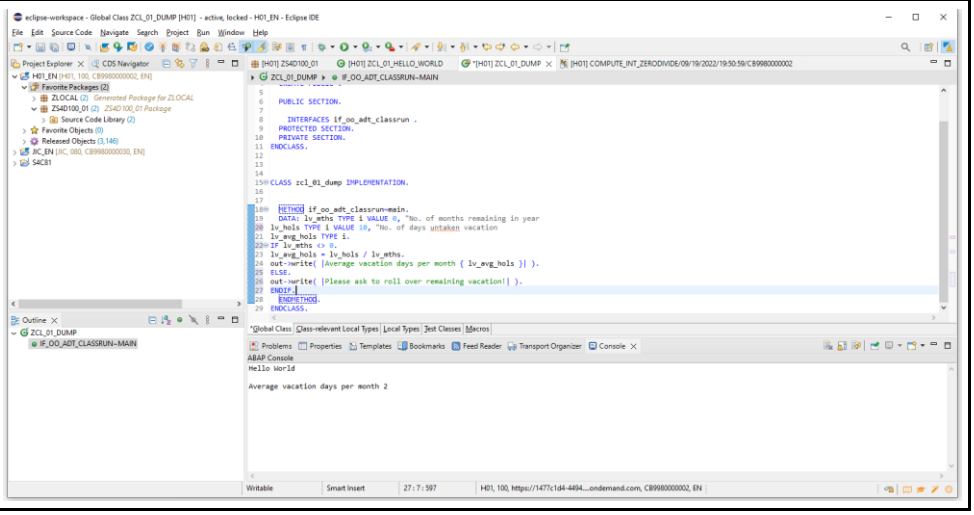
Explanation	Screenshot
7. Choose *IF_OO_ADT_CLASSRUN (Interface)*.	
8. Choose *OK*.	
9. Choose *Next*.	

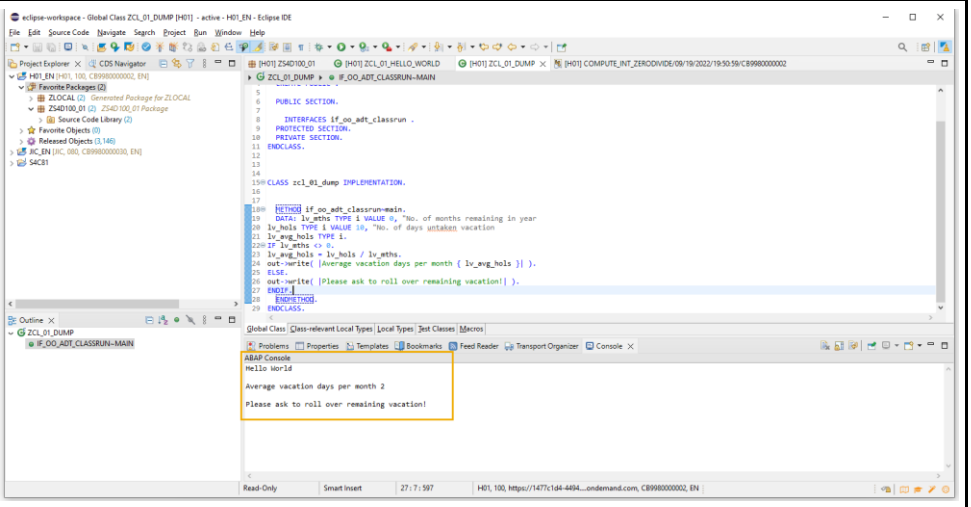
Explanation	Screenshot
10. Choose *Finish*.	
ⓘ In the editor, enter the following coding between METHOD if_oo_adt_classrun~main and ENDMETHOD: DATA: lv_mths TYPE i VALUE 10, "No. of months remaining in year lv_hols TYPE i VALUE 20, "No. of days untaken vacation lv_avg_hols TYPE i. lv_avg_hols = lv_hols / lv_mths. out->write(|Average vacation days per month { lv_avg_hols }|). For this tutorial, this step has been performed for you.	

Explanation	Screenshot
11. Choose *Activate*.	
Please press **F9**.	
12. In the *Value* field, enter **0**.	

Explanation	Screenshot
13. Choose *Activate*.	
Please press **F9**.	
14. Choose *Show*.	

Explanation	Screenshot
15. To view more code, select the scroll bar to scroll down.	
16. Choose *[H01] ZCL_01_DUMP*.	
ⓘ Add the following code around the existing calculation: IF lv_mths NE 0. lv_avg_hols = lv_hols / lv_mths. out->write(|Average vacation days per month { lv_avg_hols }|). ELSE. out->write(|Please ask to	

Explanation	Screenshot
roll over remaining vacation|). ENDIF. For this tutorial, this step has been performed for you.	
17. Choose *Activate*.	
Please press **F9**.	

Explanation	Screenshot
ⓘ You can now see the output text.	
ⓘ You have successfully used conditional logic to avoid a runtime error. This concludes the interactive tutorial.