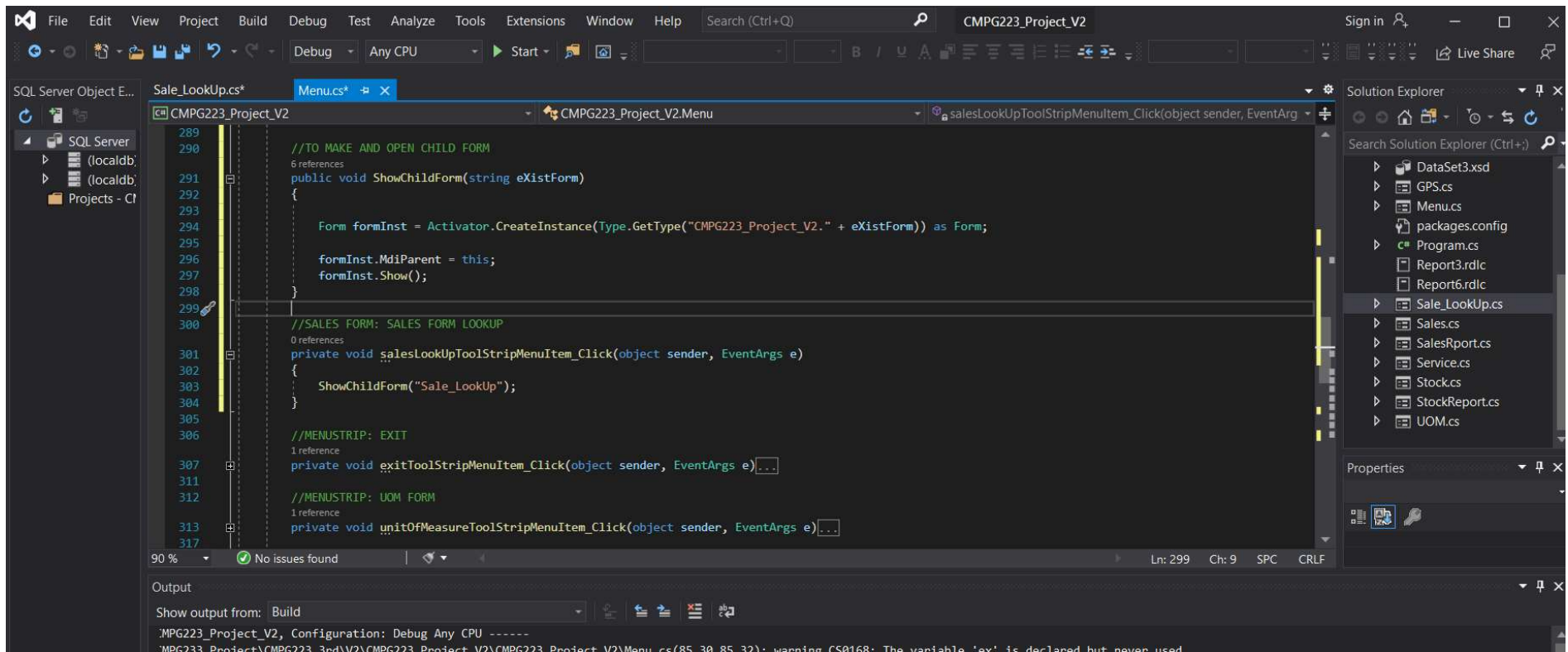


Screen print:

Example of programming code for maintaining a child entity of the data model and illustrating the efficient reuse of code (e.g. making use of methods)

1. The MdiParent form, Menu, has a method called ShowChildForm() that creates, instantiates and displays child entities from the menustrip control of the Menu form - see line 291. This ShowChildForm() method is used and referenced 6 times and an example of this method being used to create a child entity called SaleLoopUp, is on lines 301-304.



```
289
290 //TO MAKE AND OPEN CHILD FORM
291 public void ShowChildForm(string eXistForm)
292 {
293     Form formInst = Activator.CreateInstance(Type.GetType("CMPG223_Project_V2." + eXistForm)) as Form;
294     formInst.MdiParent = this;
295     formInst.Show();
296 }
297
298 //SALES FORM: SALES FORM LOOKUP
299 private void salesLookUpToolStripMenuItem_Click(object sender, EventArgs e)
300 {
301     ShowChildForm("Sale_LookUp");
302 }
303
304 //MENUSTRIP: EXIT
305 private void exitToolStripMenuItem_Click(object sender, EventArgs e)
306 {
307 }
308
309 //MENUSTRIP: UOM FORM
310 private void uomToolStripMenuItem_Click(object sender, EventArgs e)
311 {
312 }
313
314 private void unitOfMeasureToolStripMenuItem_Click(object sender, EventArgs e)
315 {
316 }
```

90 % | No issues found | Ln: 299 Ch: 9 SPC CRLF

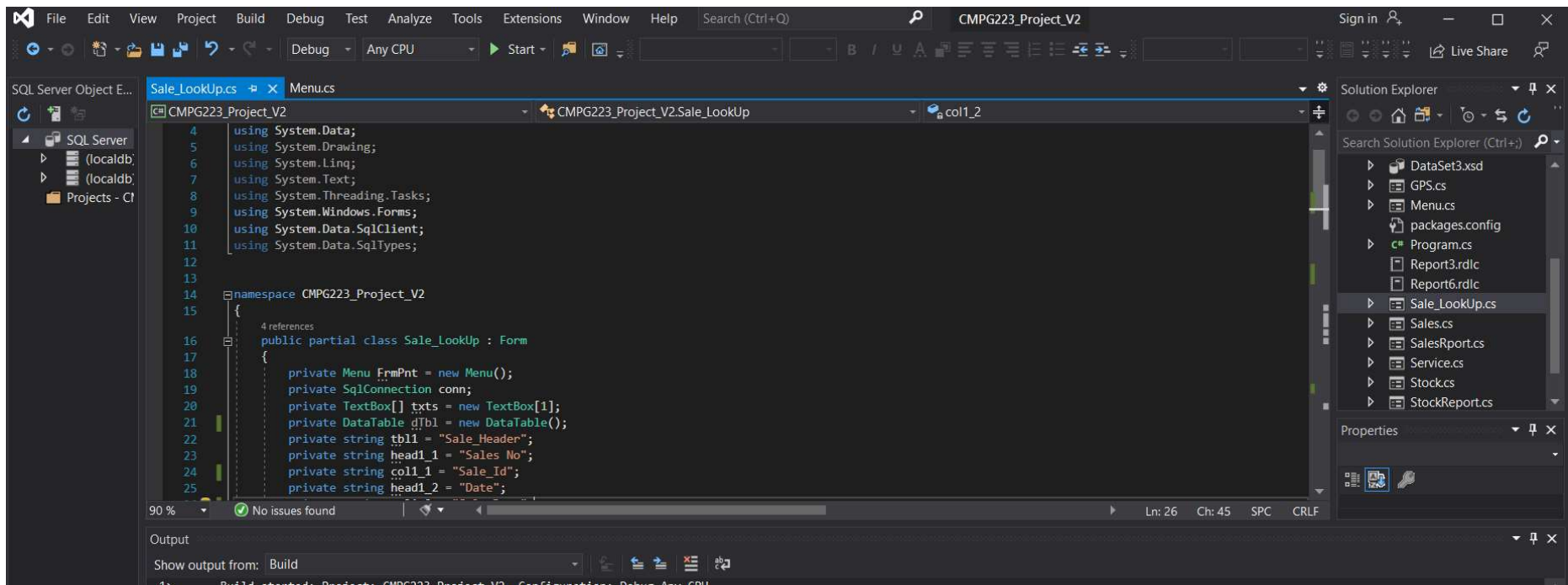
Output

Show output from: Build

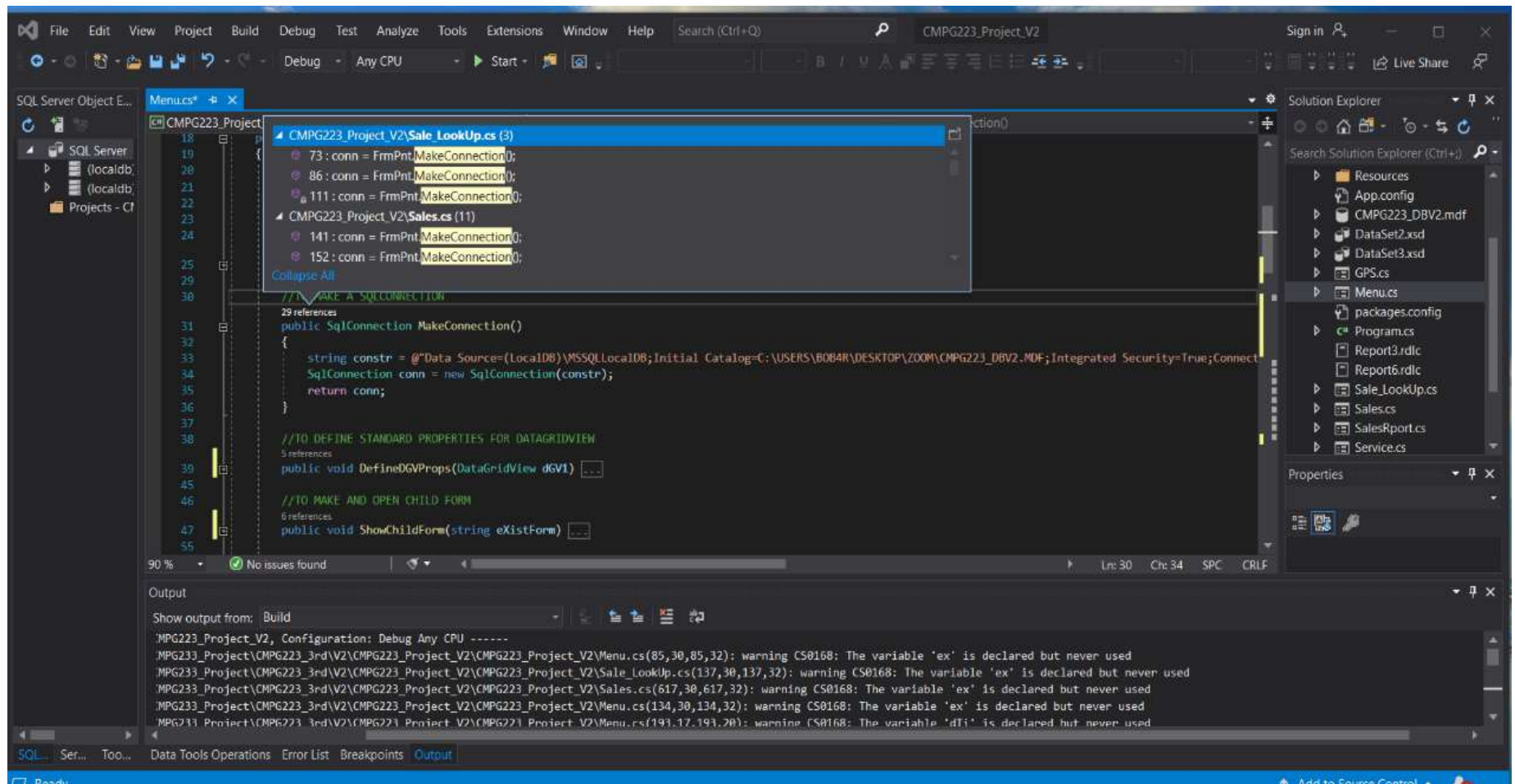
MPG223\_Project\_V2, Configuration: Debug Any CPU -----

MPG223\_Project\_V2\MPG223\_Project\_V2\MPG223\_Project\_V2\Menu.cs(85,30,85,32): warning CS0168: The variable 'ex' is declared but never used

2. The child form, `Sale_LookUp`, creates a reference to the parent form, `Menu`, in line 18 below.



- The Menu parent form has a method called MakeConnection() - to connect to, open and close the database connection - which is referenced and used 29 times throughout the project by the child entities of this parent form. See lines 31-35.



4. An example of a child form, Sale\_Lookup calling the MakeConnection() method with parameters can be found on line 72.

