

Debug answers

1) What is the purpose of a breakpoint?

It pauses the application at the point in the code where the breakpoint is positioned when the debugger is run so you can check what's going on / confirm value of instances / properties associated with the objects and what is being used where.

2) Does the line of code on a breakpoint run when you start debugging?

No

3) How do we debug the next line of code?

Once the debugger has got to the breakpoint, we can look at the value of instances that are related to that line of code. We can also click on step into to see better what's going on in any functions in that line of code.

4) What does the step into command do?

Takes you to the place in the code where the function called in the breakpoint line is defined and pauses on the first line of that method and shows the values / properties of instances referred to in that function.

5) What is the difference between evaluate expression and evaluate code fragment?

Evaluate expression only allows you to enter one line of code for the debugger to evaluate and does not require a semi-colon at the end of the line; evaluate code fragment is similar but you can enter multiple lines of code (and so can you can e.g. define variables) and it require semi-colons.