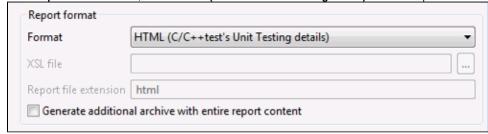
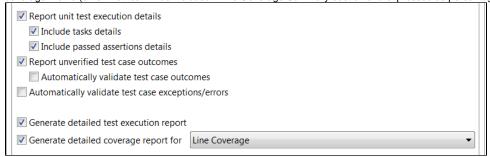
Exercise 11 - Generating Unit Test Reports

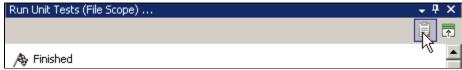
- 1. Choose Parasoft> Preferences... > Reports.
- 2. In the Report Format section, choose HTML (C/C++test's Unit Testing details) from the drop-down menu.



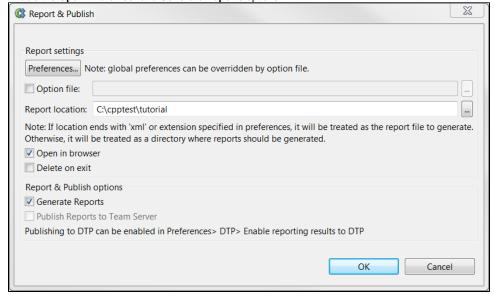
- 3. Click Apply.
- 4. Select the ATM project as the test scope and choose Parasoft> Test Using> User-Defined> Run Unit Tests (Project Scope).
- 5. Open the **Execution> Runtime** tab and enable the following options:
 - · Report unit test execution details
 - Include tasks details
 - · Include passed assertion details
 - · Generate detailed test execution report
 - Generate detailed coverage report for; then choose Line Coverage from the drop-down menu to generate a Detailed Report for this coverage metric (other metrics will be included in the Coverage Summary section and expressed as percentages)



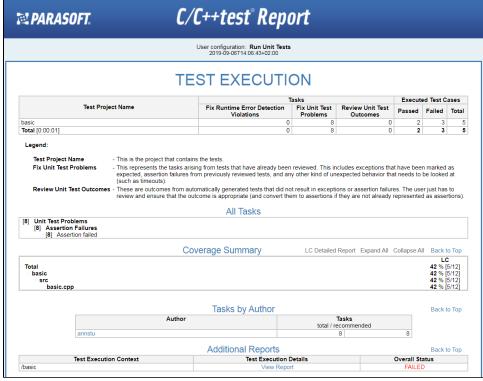
- 6. Click Run Test.
- 7. Go to the test progress tab (the tab has the same name as the test configuration you're running).
- 8. Click the Generate Report button in the upper right corner of the test progress tab to open the Report & Publish dialog.



- 9. In the Report & Publish dialog, configure the Report location provide the path to the location where the report will be stored.
- 10. Enable the Open in browser and Generate Reports options.



11. Click **OK**. A summary report will be generated and opened in the editor window for review. Alternatively, you can go to the report location you configured and manually open the HTML report in a web browser.



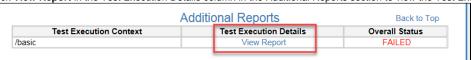
- 12. Click on a user name in the Tasks by Author section to view a detailed report for that user.
- 13. Click LC Detailed Report in the Coverage Summary section to view a detailed coverage report.



14. Review the coverage information. You can use the tree in the left panel to navigate to the code of interest by clicking on a filename. The detailed report displays color coding of covered, not covered, and partially covered lines of code.

```
図PARASOFT
                                                  /basic/src/basic.cpp
2019-09-06T14:06:43+02:00
Code with the following symbols:
code has been covered/tested
code has not been covered/tested
 ode has been partially covered/tested
code has no coverable elements
                                              42% [ 5/12 ] /basic/src/basic.cpp
     // Name
                       : basic.cpp
     // Author
         Version
        Copyright : Your copyright notice
Description : Hello World in C++, Ansi-style
     // Copyright
     #include <iostream>
 10 using namespace std;
 12 int func_a(int);
13 int func_b(int);
 15
     int main() {
 16
          cout << "!!!Hello World!!!" << endl; // prints !!!Hello World!!!
 17
          return 0;
 18
 19
     int func_inc(int a)
 21
 23
          return r;
```

15. Click View Report in the Test Execution Details column in the Additional Reports section to view the Test Execution Details report.



16. Review the Test Execution Details report.

