1. **a)** Compile and run the project as in and make sure that you get Excel output. Examine the code and try to get an idea of what is going on. The following files should be in the project:
2. **b)** In this exercise we test the FD scheme. We run the programs using the data from Batches1 to 4. Compare your answers with those from the previous exercises. That’s all.

(a)(b)

The excels are outputs of project FDM with different batches as input. The particular outputs are highlighted in charts, with the exact results beside them. For batch 1-3, the results are pretty close to those exact ones.

For batch 4, I either got 65535 or the inaccurate result in xls. I found that if I set N=250000 (as required in the relation: k~O(h^2)), it will end up with 65535. I have no idea how to give a better answer. And I would rather submit the inaccurate one.