Programming and numerical analysis

Short test 1

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1. Run the following program. Report and discuss the output.



The output is

1

0

Because the symbol ‘!’ invert the Boolean variable from true to false, which makes the value of honest changed from 1 to 0;

1. Are the following three statements equivalent?



Yes, they are. Each statement increases the value of variable c by 1.

1. Assess whether the following 2 structures are equivalent;



No, they are not equivalent. In the first structure, statement j=i is not included in “if”.

In case that the value of i is not 5, the second structure will not set the value of j to the value of i.