What happens if line 25 of ResetPrefix Listing 4-1 is commented out? Why?

Ans:

After this line has been copied out and the program is run it runs as usual counting upwards from the value of 1000. The change is apparent when an input is provided, what then happens is the program begins counting upwards from the new value whilst alternatively still counting upwards from the old. For example counting upwards from 1000 and 1 is provided as an input, the program will then count to 1001 then the next output will be 1 then 1002 then 2 and so on. When a third value is provided to the input field the program stops producing output altogether this results in livelock.

This happens because the program is cutting out processes and data can’t be passed on.