Reporting tasks

What are the limitations of using a recursive function instead of loops to generate the rainwater harvesting table?

One of the limitations of using a recursive function instead of loops to generate the rainwater harvesting table is that it uses more processor time to generate the table as to compared to using loops to generate the table. Another limitation is by using a recursive function it will take up more computer memory space and if the memory runs out the program might crash. The final limitation of using a recursive function is it can be difficult to understand and trace a bug or problem in the code as compared to loops.

[93 words]

Testing tasks

Screenshots of 3 test inputs with different sets of input values

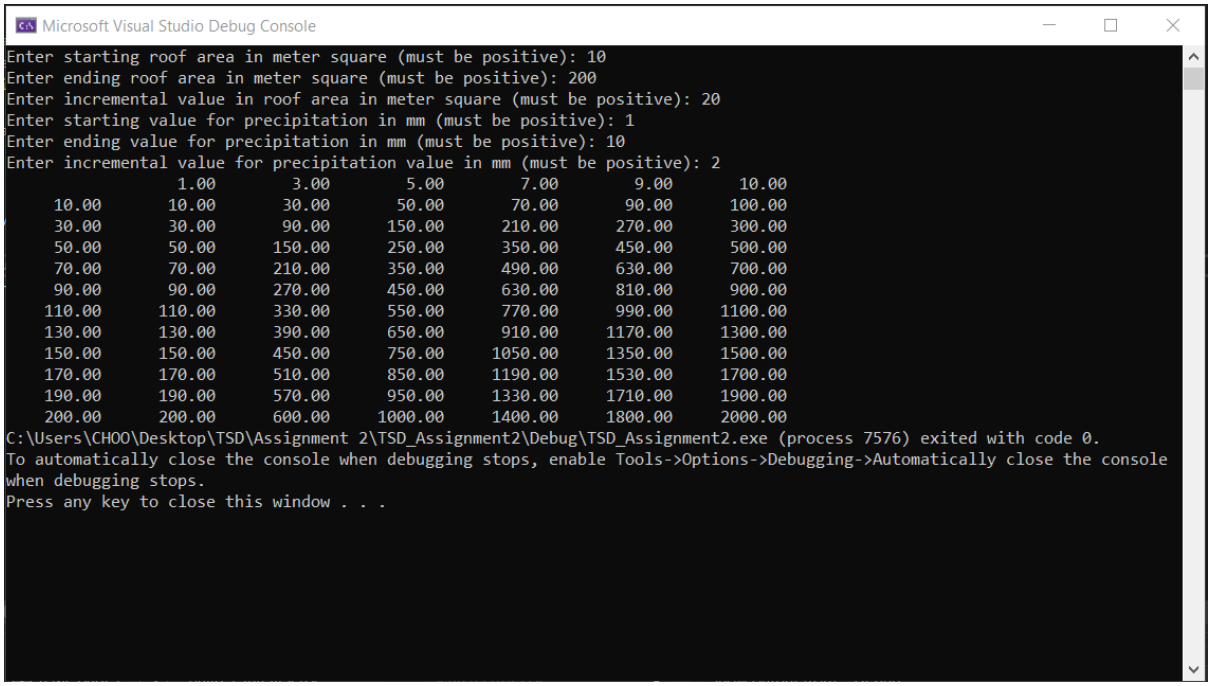

Figure (1): Screenshot above showing user enter the first set of input values for starting roof area, ending roof area, incremental value for roof area, starting value for precipitation, ending value for precipitation and incremental value for precipitation.

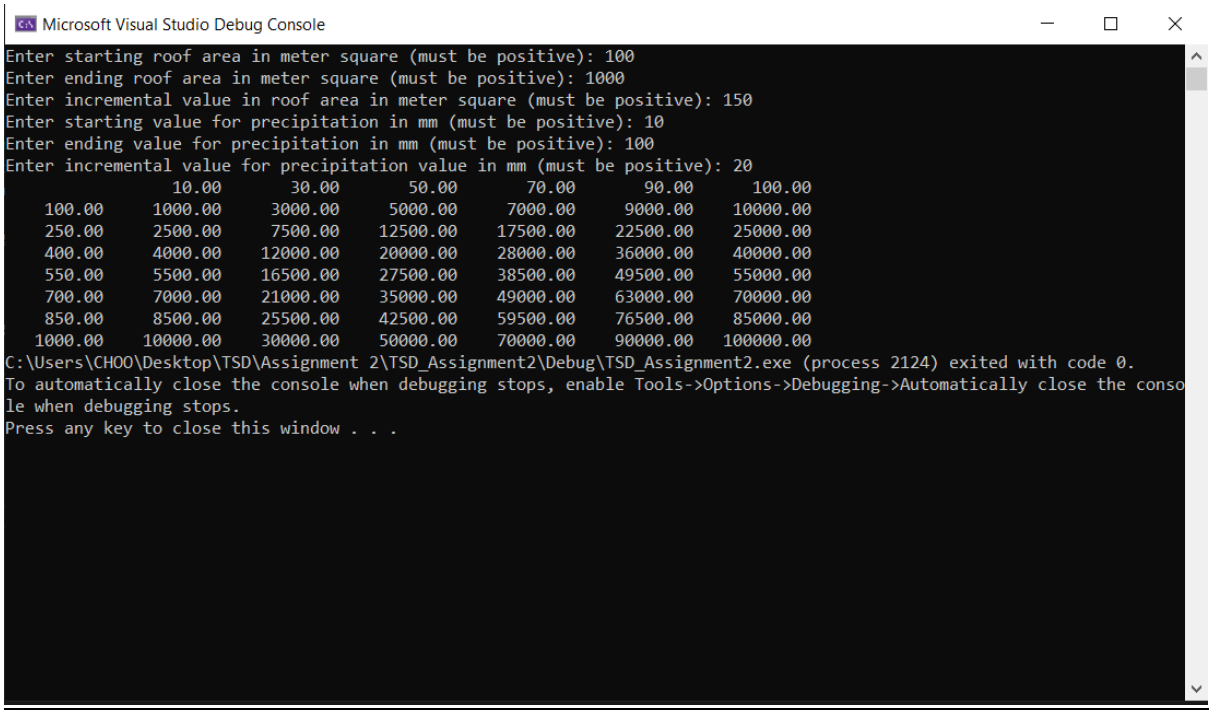

Figure (2): Screenshot above showing user enter the second set of input values for starting roof area, ending roof area, incremental value for roof area, starting value for precipitation, ending value for precipitation and incremental value for precipitation.

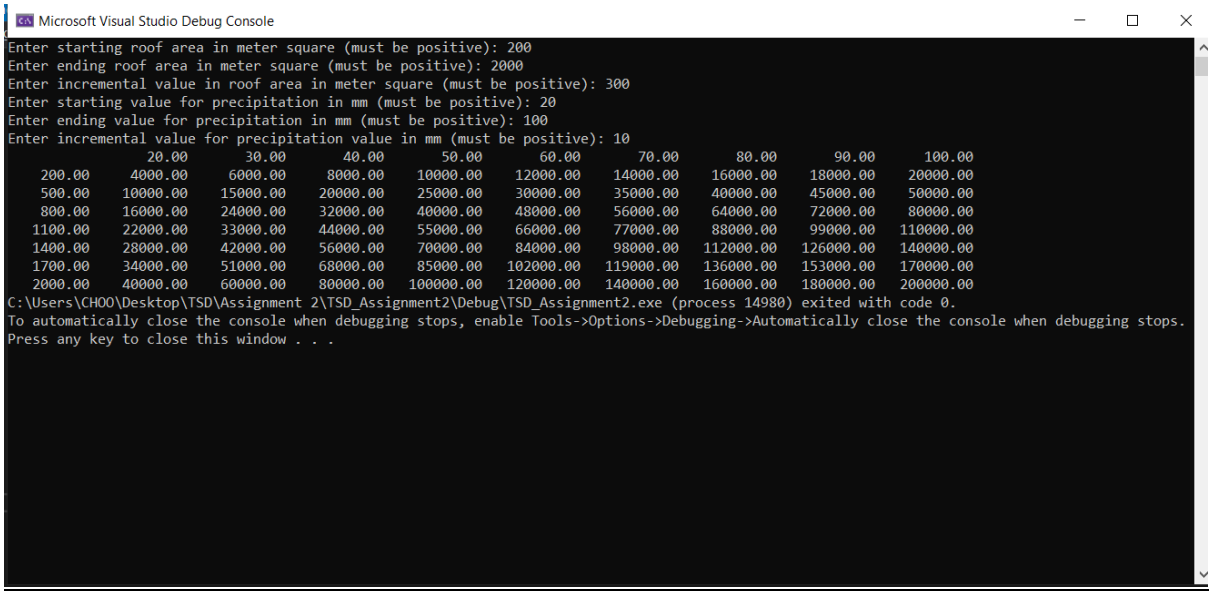

Figure (3): Screenshot above showing user enter the third set of input values for starting roof area, ending roof area, incremental value for roof area, starting value for precipitation, ending value for precipitation and incremental value for precipitation.