

HW 3

1) a) $K=1$

$K=2$

$K=3$

b) $K=1$

$K=2$

$K=3$

$K=4$

$K=5$

$K=6$

$K=7$

debugged code:

c) $itmax=7$

for $K=itmax:-1:1$

$fprintf('K=%ld \n', K)$

End

Output:

$K=7$

$K=6$

$K=5$

$K=4$

$K=3$

$K=2$

$K=1$

2) a) $K=1$

$K=2$

$K=3$

$K=4$

$K=5$

$K=6$

$K=7$

$K=8$

$K=9$

$K=10$

b) debugged code:

$K=1;$

While $K < 100$

$K = K + 1;$

$fprintf('K=%ld \n', K)$

end

Output:

$K=2$

$K=3$

$K=4$

3) $n=557$ (see code screenshots)

4) a) floor() - Returns the largest int less than or equal to element of the given array

b) break - The break statement exits the loop prematurely

c) There is no "stop" statement but there is "stop execution" in the comments line used to stop things like infinite loops

d) ceil() - Returns the smallest int greater than or equal to element of the given array