

Question 6:

Dry Run:

- (a) $i = 3, j = 5, k = 7$
 - $i < j$ ($3 < 5$) is true.
 - $j < k$ ($5 < 7$) is true.
 - i becomes j , so i is now 5.
 - `printf` prints $i=5, j=5, k=7$.
- (b) $i = 3, j = 7, k = 5$
 - $i < j$ ($3 < 7$) is true.
 - $j < k$ ($7 < 5$) is false.
 - j becomes k , so j is now 5.
 - `printf` prints $i=3, j=5, k=5$.
- (c) $i = 5, j = 3, k = 7$
 - $i < j$ ($5 < 3$) is false.
 - $j > k$ ($3 > 7$) is false.
 - i becomes k , so i is now 7.
 - `printf` prints $i=7, j=3, k=7$.
- (d) $i = 5, j = 7, k = 3$
 - $i < j$ ($5 < 7$) is true.
 - $j < k$ ($7 < 3$) is false.
 - j becomes k , so j is now 3.
 - `printf` prints $i=5, j=3, k=3$.
- (e) $i = 7, j = 3, k = 5$
 - $i < j$ ($7 < 3$) is false.
 - $j > k$ ($3 > 5$) is false.
 - i becomes k , so i is now 5.
 - `printf` prints $i=5, j=3, k=5$.
- (f) $i = 7, j = 5, k = 3$
 - $i < j$ ($7 < 5$) is false.
 - $j > k$ ($5 > 3$) is true.
 - j becomes i , so j is now 7.
 - `printf` prints $i=7, j=7, k=3$.