***Task A;***

Segment 1:

for (int i = 0; i < n; i++): This loop iterates n times, where n is the input value.

for (int j = 0; j < n; j++): This inner loop also iterates n times.

The inner loop is nested within the outer loop, so the total number of iterations will be n \* n. The time complexity of this segment is O(n2).

Segment 2:

for (int j = 1; j <= m; j++): This loop iterates m times, where m is the input value. The time complexity of this loop is O(m).

while (m > 0): This loop also iterates m times, decrementing m with each iteration. The time complexity of this loop is O(m).