Quiz 08 - Heapify

Instructions:

- Your submissions must be submitted in the **Quiz08** directory of your **Quizzes** directory in your **GitHub** repository.

- Cheating of any kind is prohibited and will not be tolerated.

- Violating and/or failing to follow any of the rules will result in an automatic zero (0) for the lab.

TO ACKNOWLEDGE THAT YOU HAVE READ AND UNDERSTOOD THE INSTRUCTIONS ABOVE, AT THE BEGINNING OF YOUR SUBMISSION(S), ADD A COMMENT THAT CONSISTS OF YOUR NAME AND THE DATE

Grading

Question	Maximum Points	Points Earned
1	0.1	
2	0.1	
3	0.3	
Total	0.5	

Question 1: What is the precondition of the `Heapify()` algorithm?

Question 2: What is the effect of `Heapify(A,i)` when `A[i]` is larger than its children?

Question 3: Simulate `Heapify(A,2)` on `A = [27,17,3,16,13,10,1,5,7,12,4,8,9,0]`. Display the array after each swap.