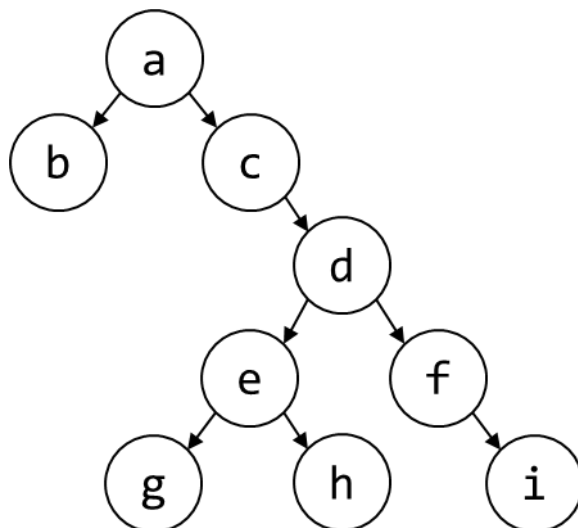


### Learning outcome 3

**Task 31.** Write the order of printing nodes if we go through them INORDER, POSTORDER and PREORDER algorithms:



**Task 32.** Create a container of 10 random numbers between 1 and 100. Ask the user to select the direction in which he wants to display the numbers (ASC or DESC). Using the functions, organize the vector as a heap and print the numbers in the given direction.

**Task 33.** Create a container of 10 random numbers between 1 and 100. Ask the user to select the direction in which he wants to display the numbers (ASC or DESC). Using the priority queue, display the numbers in the given direction.