Item Hierarchy ID

You are given access to the following data table and asked to write a method that would return the ItemHierarchyID as a string when given an ItemID. The following data table and diagram are provided as references but your function should be written such that any data could be used. You may assume that there will only be one row with a null ParentItemID. ASK QUESTIONS!!!

|  |  |
| --- | --- |
| ItemID: | ParentItemID: |
| 1 | null |
| 2 | 1 |
| 3 | 1 |
| 4 | 2 |
| 5 | 2 |
| 6 | 2 |
| 7 | 3 |
| 8 | 7 |
| 9 | 8 |
| 10 | 5 |
| 11 | 5 |

Here is a visualization of the above data table to illustrate the pattern of how an ItemHierarchyID will be calculated the ItemHierarchyID is in yellow and the ItemID is in the middle of the circle:

