A heap is a tree which can be implemented by an array.

**In heap all the leaves are at h or h-1 level and parent node is greater than its own child node i.e necessary condition for the heap tree. This is for MAX Heap vice versa for MIN heap.**

In heap tree which is implemented by an array , using indexes we can decide the its parent node or child node.

For example,

Left child=2\*i+1 where i is the index of the parent node in array.

Right child=2\*i+2 i is the index of the parent node in array.

Parent node=i-1/2 where i is the index of the child node in an array.