Binary search :

Searching algorithm

Used in a sorted array to repeatedly divide array in interval and search the element.

Complexity : o(log n)

Approach i used : iterative

First initialize your array lower and higher index,

Check until while your lower<=higher index

And make your middle element

If your middle element s target then return that number

If your middle element is less then target then check right side of array otherwise left side.

Happy coding!