**[Fixed Point](https://leetcode.com/problems/fixed-point/)**

**public** **class** FixedPoint {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int**[] A = {-10,-5,3,4,7,9};

System.***out***.println(*fixedPoint*(A));

}

**public** **static** **int** fixedPoint(**int**[] A) {

**if**(A == **null** || A.length == 0)

**return** -1;

**for**(**int** i = 0 ; i < A.length ; i++) {

**if**(A[i] == i) {

**return** i;

}

}

**return** -1;

}

}

Time Complexity : O(n) , n is number of elements in array

Space Complexity : O(1), constant space