Question: https://leetcode.com/problems/string-to-integer-atoi/

The comments explains the code itself.

We need to consider only the first number we encounter before ‘.’ or + or -.

Code:  
class Solution {

public int myAtoi(String s) {

long res=0, sign=1;

s=s.trim();//remove leading and trailing spaces

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

int check = s.charAt(i)-'0';

char c = s.charAt(i);

if(c==' ' && i!=0) break;//determines the first string, as we have already trimmed so there should be no leading and trailing spaces

else if((c=='-') && i==0) sign=-1;//determines the value is negative

else if((c=='+') && i==0) sign=1;//determines the value is positive

else if((c=='-'||c=='+') && res!=0) break;//determines if we are getting another sign after we have already faces a number

else if(c=='.') break;//checks if we encounter a decimal or not, if we face so we will evaluate the number befor'.'

else if(check>=0 && check<=9) res=res\*10+check;//checks for a digit

else break;

if(res<Integer.MIN\_VALUE||res>Integer.MAX\_VALUE) break;

}

res\*=sign;

//since we need to return integer, check the boundary

if(res<Integer.MIN\_VALUE) res=Integer.MIN\_VALUE;

else if(res>Integer.MAX\_VALUE) res=Integer.MAX\_VALUE;

return (int)(res);

}

}

Github Link :<https://lnkd.in/ecwtJeaz>