Problem Link:

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

Solution:

class Solution {

public:

int myAtoi(string s) {

int i = 0, n = s.length();

while(i < n && s[i] == ' ')

{

i++;

}

int u = 1;

if(i < n && (s[i] == '-' || s[i] == '+'))

{

u = (s[i] == '-') ? -1 : 1;

i++;

}

long r = 0;

while(i < n && isdigit(s[i]))

{

r = r \* 10 + (s[i] - '0');

if(u \* r <= INT\_MIN)

return INT\_MIN;

if(u \* r >= INT\_MAX)

return INT\_MAX;

i++;

}

return static\_cast<int>(u \* r);

}

};