my Atol (sting s) problem
We need to simulate a manual strie to-integer server that
We need to simulate a manual string to-integer passes that handles: white space trimming
Epstional sign
- epstieuel sign - oligit recelling
everflew clamsing
Sédge Cases:
Input is only white space: - return o
Input is only whitespace: - retean o Input is +0 123 - stop after o seturio Ingut is -0001234 - treat it as -1234
Injuit is " -0001234" - treet it as -1234
Imput starts with non-dégit after esténal sign (like "-abe")-retains
[Imp lementation:]
1. Thin leading white poce: use a sounter index to styp all you at the longin ming. Don't ux beuilt in trimming. 2. Eleck for high; I year see - 1 set sign to negative. If you see + 1 set sign to positive.
læginning. Don'tux beult in tumming.
2. Eliech for tign: If you see - set sign to megative
· I you see + set sign to positive.
y me en segales es produce.
· Advance the index only if + & - is found.
3. Red digits: Logs as long as corrent character is a digit (o'to 's').
to each digit: convert it using digit=s[i] - o'
before adding to sexult, cluck if
multiplying result by 10 and colding
degit will over flow 32 - bit regued range
Usc: if (sexult > INT_HAX/10/1(sexult = = INT_HAX/10
ld digit >7)) // clamp
Clams the sexult: If ever flororing positive, return WI MAN
Clams the sexult: If over flororing positive, seturn INT_HAN
4. Multejsly and Accumulate: sesult = sesult *10+digit;

