Palindrome:

Given an integer x , return true if x is a palindrom. and false otherwise

Ex:

Input: 2 = 121 out put 1 true

constraints:

$$-2^{81} < = x < = 2^{81} - 1$$

## Algorithm;

- 1. Input an integer n
- 2. Check if its negative if ges, return false
- 3. store the original number in variable ori
- u. Reverse the number wing aloop
  - -> Initialize sum =0.
  - -> while x != 0
    - -> Extract last digit -> digit = 7 1.10
    - -s Add it to sum -> sum = sum = sum to + digit
    - -> Remove lost digit from a -> x =x/10
- 5. Compare the reversed number (sum) on ith original cori)
- : If they are equal, return true; else return take

```
rode.
public class solution [
    public boolean is Palindrome (inta) d
     int on = x, sum = 0;
     if (200) return false;
    while cal =0)L
        int digit = 711/10;
       sum = sum * 10+digit
       2=2/10:
   return (ori==sum); ]
```