

Problem 2 : Palindrome Number

After Coding :

- that means we reverse "x " so we create a variable reverse = x
- will process the digits from the right to the left
- rightmost digit = $x \% 10$
- multiple "reverse" by 10 then increment by rightmost "digits"
- $x = x / 10$

Answerws :

Let's validate the process

if x is negative

- return false

create two variables

- copy , equals to x
- reverse from x

while copy > 0 :

- digit = copy % 10
- remove rightmost digit
- copy = copy / 10
- RETURN true if reverse = x
- RETURN false if not

Solution :

```
class Solution {  
    public boolean isPalindrome(int x) {
```

```
    if(x<0) return false;
    int copy = x ;
    int reverse  = 0;
    while(copy>0){
        int digit = copy % 10;
        reverse = reverse * 10 + digit;
        copy /= 10;
    }return (reverse == x);

}

}
```