HW1_P2 - Palindrome number

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solution.cpp

```
/* Write your Analysis here

Given an input number, determine if the number is the same forwards as it
    is back, by comparing the individual digits.

*/
/* Write your Design here

1. Determine if the number is three digit by checking if it not either:
    - Greater than 999
    - Less than 100
2. Divide the number by 100, and mod the number 10, and compare the result.
3. If the former two operations evaluate to the same number, the number
    is verified as a palindrome number.
*/
// Write your code here
#include <iostream>
#include <stdio.h>
using namespace std;
int main(){
    int input;
    cin >> input;

    if(input < 100 || input > 999){
        cout << "Invalid";
    } else {
        if((input / 100) == (input % 10)){
            cout << "Palindrome";
        } else {
            cout << "Not palindrome";
        }
    }
```

```
}
```

Name
Custom test case

Input
3

Output (Lines:2)
Invalid

Expected Output (Lines:0)

Status
NA

Name
Custom test case

Input
678

Output (Lines:2)
Not palindrome

Expected Output (Lines:0)

Status
NA

Name
Custom test case

Input
343

Output (Lines:2)

Palindrome

Expected Output (Lines:0)

Status
NA

Name
Default1

Input
121

Output (Lines:2)
Palindrome

Expected Output (Lines:1)
Palindrome

Status
Pass

Name
Default2

Input
124

Output (Lines:2)
Not palindrome

Expected Output (Lines:1)
Not palindrome

Status
Pass
