**Problem Statement:** We have to find and print the sum of all natural numbers, less than N, which are palindromic in base 10 and base 2.

**Eg**: The number 585 = 1001001001 is palindromic

|  |  |
| --- | --- |
| **Expected Input** | **Expected Output** |
| 10  5  50  100  150 | 25  9  58  157  157 |

**Pseudo code**

1. Start
2. Input number, **n**
3. Set sum = 0
4. for i = 1 to n do the following
   1. ispal1 = call ispalindrome(i)
   2. bin = call binary(i)
   3. ispal2 = call ispalindrome(bin)
   4. if ispal1 = 1 && ispal2 = 1 then
      * sum = sum + i
      * print i,ispal1,bin,ispal2
5. Print sum
6. Stop

**Final Result :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Expected input** | **Expected output** | **Actual output** | **Test result** |
| 10  5  50  100  150 | 25  9  58  157  157 | 25  9  58  157  157 | Pass  Pass  Pass  Pass  Pass |

**LARP File** [**link:https://drive.google.com/open?id=1yWKjlPiC3xioJ28n2xcvrTR5oZph36KJ**](https://drive.google.com/open?id=1yWKjlPiC3xioJ28n2xcvrTR5oZph36KJ)

**Screenshots:**









