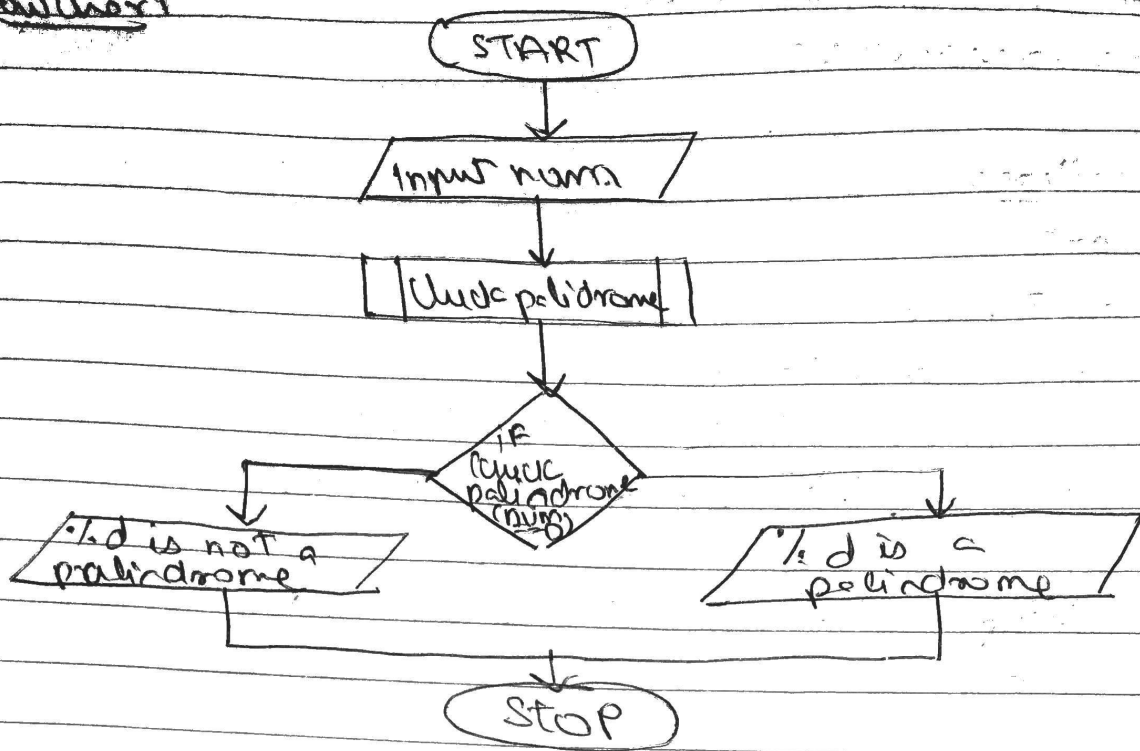Name: Natasha Saldanha

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Algorithm:-
1) Start
2) Input num,
3) check palindrome ()
4) if (check palindrome (num) == 0)
    Display '%d is a pto palindrome.
    Else
    Display '%d is not a palindrome.
5) Stop.

Check palindrome.
1) Entry.
2) sum = 0
3) temp = num.
4) while (num! = 0)
    rem = num %. 10
    sum = sum * 10 + rem.
    num| = 10
5) if (sum == temp)
    return = 0
    else
    return 1
6) End.

Flowchart

```
                    START
                      |
                      v
              / Input num /
                      |
                      v
         [| Check palindrome |]
                      |
                      v
                   /  if  \
                  / Check   \
                 < palindrome >
                  \  (num)  /
                   \  ==0  /
          /          |          \
         v                       v
/ d is not a /            / d is a /
/ palindrome /            / palindrome /
         \                       /
          \         v           /
           ------> STOP <-------
```

Check palindrome (int num):

```
                    Entry
                      |
                      v
                 [ sum = 0 ]
                      |
                      v
                [ temp = num ]
                      |
                      v
                  / while \
                 <  (num!  >
                  \  = 0  /
                      |
                      v
        [ rem = num % 10          ]
        [ sum = sum *10+rem       ]
        [ num / = 10.             ]
                      |
                      v
                  / if (sum==temp) \
          /          <              >          \
         v            \            /            v
   [ return = 0 ]                          [ return = 1 ]
         \                                       /
          \             v                       /
           ----------> End. <------------------
```