PSEUDO CODE

➢ Start is used to begin program execution.

➢ Declare a, b, x and t as integer.

➢ Print "Enter a number".

➢ Get the integer a as input.

➢ Assign integer b as 0 and integer x as a.

➢ While x in greater than 0:

- Assign t equal to x mod 10.

- Assign b equal to $b + t^3$.

- Assign x equal to x divided by 10.

➢ Checking a equal to b:

- If a equal to b, print "It is an Armstrong number".

- If a not equal to b, print "It is not an Armstrong number".

FLOWCHART

```
                    Main
                     |
            Integer a, b, x, t
                     |
          Output "Enter a number"
                     |
                  Input a
                     |
                   b = 0
                     |
                   x = a
                     |
                   x>0  ──True──┐
                     |          |
                   False     t = x%10
                     |          |
                     |       b = b+(t^3)
                     |          |
                     |        x = x/10
                     |          |
                     └──────────┘
                     |
          False ── a==b ── True
            |                 |
 Output "It is not a    Output "It is Amstrong
  Amstrong number"          number"
            |                 |
            └────────○────────┘
                     |
                    End
```