ALGORITHM

• Step-1 :- START  
• Step-2 :- Create a class named as "ArmNum".

• Srep-3 :- Create a parameterized constructor to initialize the instance variable int n with int num.

• Step-4 :- Create a int method "sum\_pow(int i)" calculate the sum of the power of the digit to the length of digit, using recursive technique.

• Step-5 :- Create a void method "isArmstrong()" to check the no. is Armstorm and prints the appropriate mes- sage.

• Step-6 :- Create the "main" method to input the no. and create a object and call "isArmstrong()" methods.

• Step-7 :- END

VD TABLE

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Variable | Data Type | Description |
| 1  2  3 | n  l  nn | int  int  int | Stores the no.  Stores the length of the no.  Parameter for the  parameterized construtor ArmNum(int nn)  Looping variable to count the length of the no.  Formal parameter for sum\_pow(int i) |
| 4 | c | int |
| 5 | i | int |

OUTPUT

