ALGORITHM

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

• Srep-3 :- Create a parameterized constructor to initialize the instance variable int num and f with nn and 1 recpectively.

• Step-4 :- Create a int method "sum\_of\_factors(int i)" to sum up all the factors of a int i.

• Step-5 :- Create a void method "check()" to check the original no. is equal to the sum of factors of the no., and print the appropriate message.

• Step-6 :- Create the "main" to input the no. and pass it to the constructor and make a object and call the check() funtion.

• Step-7 :- END

VD TABLE

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Variable | Data Type | Description |
| 1  2 | num  f | int  int | Store the input no.  Increment variable for the no., to find all its factors Stores the user input no.  int the main method |
| 3 | n | int |

OUTPUT

