

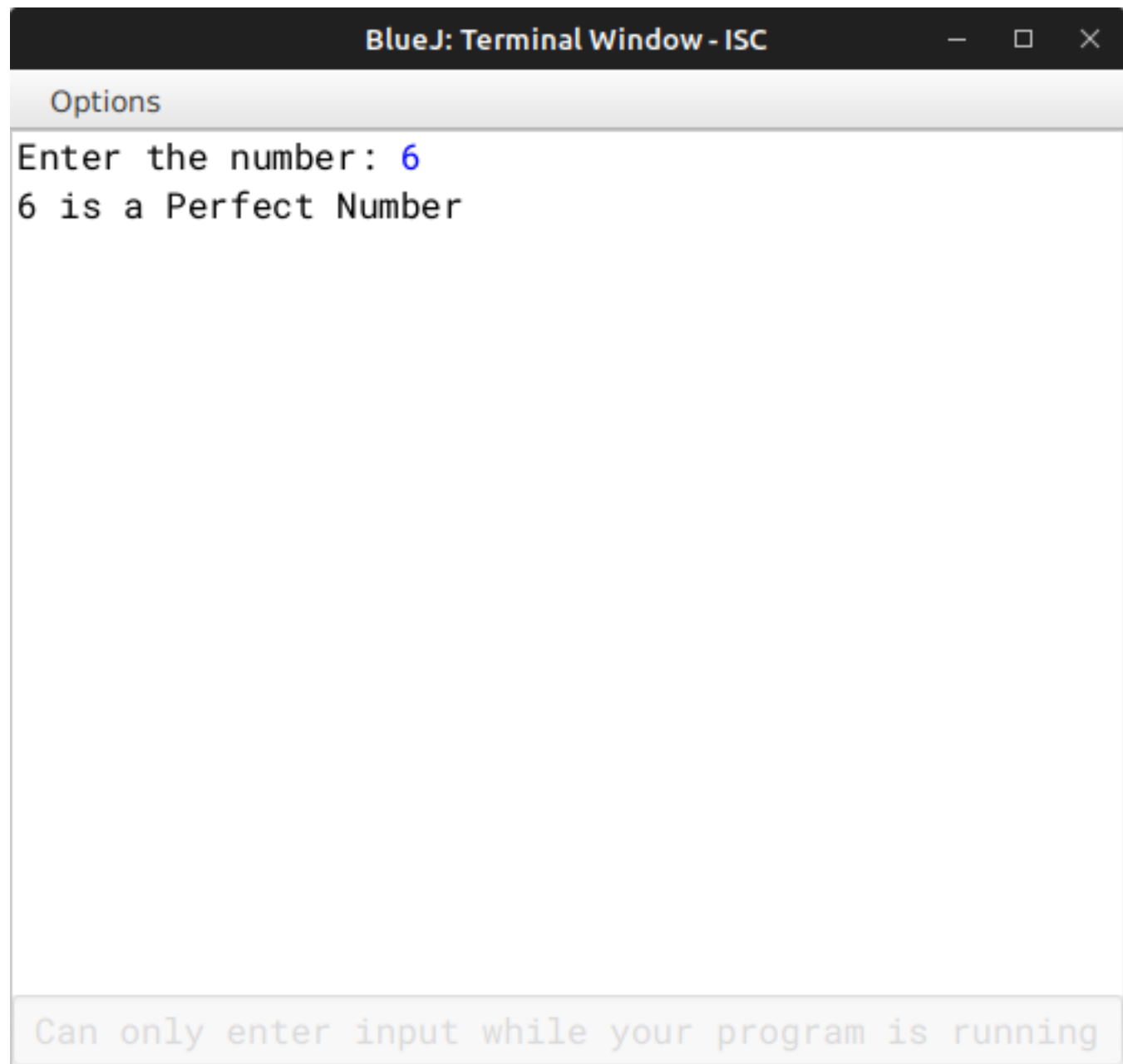
## ALGORITHM

- Step-1 :- START
- Step-2 :- Create a class named as "Perfect".
- Step-3 :- Create a parameterized constructor to initialize the instance variable int num and f with nn and 1 respectively.
- 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	num	int	Store the input no.
2	f	int	Increment variable for the no., to find all its factors
3	n	int	Stores the user input no. int the main method

## OUTPUT

A screenshot of a BlueJ Terminal Window titled "BlueJ: Terminal Window - ISC". The window has a dark title bar with standard window controls (minimize, maximize, close). Below the title bar is a light gray bar labeled "Options". The main area of the terminal is white and contains the text "Enter the number: 6" followed by "6 is a Perfect Number" on the next line. At the bottom of the terminal is a light gray bar with the text "Can only enter input while your program is running".

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BlueJ: Terminal Window - ISC
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Options

Enter the number: 6  
6 is a Perfect Number

Can only enter input while your program is running