

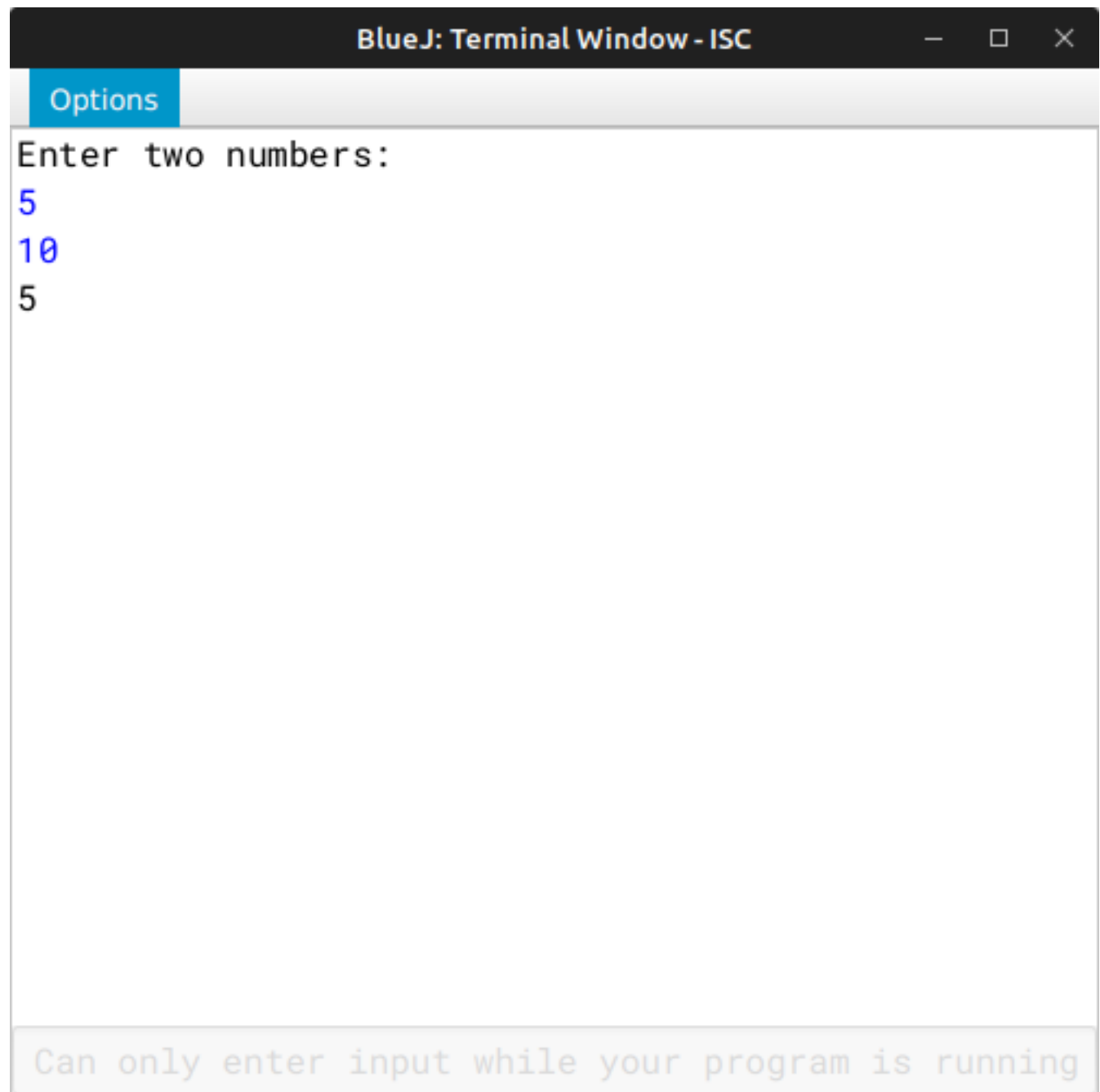
ALGORITHM

- Step-1 :- START
- Step-2 :- Create a class named as "Gcd".
- Step-3 :- Create a constructor to initialize the instance variable int num1 and num2 with 0.
- Step-4 :- Create a void method "accept" to accept two nos. in num1 and num2 respectively.
- Step-5 :- Create a int method "gcd" to calculate the gcd of the two nos. using recursive technique.
- Step-6 :- Create a void method "display" to print the gcd of the two nos.
- Step-7 :- Create the "main" method to create a object and call "accept" and "display" methods.
- Step-8 :- END

VD TABLE

Sr. No.	Variable	Data Type	Description
1	num1	int	Stores the first no.
2	num2	int	Stores the second no.
3	x	int	Formal parameter for function gcd()
4	y	int	Formal parameter for function gcd()
5	temp	int	Temporary variable for swapping num1 and num2 in display(), if num1 is smaller than num2

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 with a blue tab labeled "Options". The main area of the terminal is white and contains the text "Enter two numbers:" followed by three lines of input: "5", "10", and "5". At the bottom of the terminal is a light gray footer 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 two numbers:

5

10

5

Can only enter input while your program is running