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| **Program**  **3.3**: | Write a C program to swap two numbers (use two variables for collecting value  from user) without using third variable. (Hint: Use arithmetic operators)  **Expected Outcome:**  Draw flowchart, write algorithm and program for given scenario. Also attach  screenshot of output.  Fill up the output as per the output received in console.   |  |  |  |  | | --- | --- | --- | --- | | Sr.No | Instructions | Number1 | Number2 | | 1 | Before Swapping | 2 | 3 | | 2 | After Swapping | 3 | 2 | |
| **Algorithm**: | **Step1**: Start  **Step2**: Declare Number1, Number2  **Step3**: Enter Number1, Number2  **Step4:**Number1=Number1+Number2,  Number2=Number1-Number2,  Number1=Number1-Number2  **Step5**: Print Number1, Number2  **Step6**: End |
| **Flowchart**: | Print Number1,Number2  Number1=Number1+Number2,  Number2=Number1-Number2,  Number1=Number1-Number2  Enter Number1,Number2  Declare Number1,Number2 |
| Code: |  |
| Output: |  |
| Question  Answer? | 1. Have you learned about, how we can use arithmetic operators for swapping the numbers?  Answer: Yes, for swapping process we usually operate a=a +b, b=a-b and a=a-b.  And then the final answer we will get is been swapped. |