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| Program  5.4: | The policy followed by a company to process customer orders is given by the following rules: Suppose stock=100  a) If a customer order is less than or equal to that in stock and ‘has credit’ is OK, supply ‘has requirements.  b) If ‘has credit’ is not OK do not supply. Send him intimation. c) If ‘has credit’ is OK but the item in stock is less than ‘has ordered’, inform ‘out of stock’ and intimate him that the balance will be refunded.  Write a C program to implement the company policy. |
| Algorithm: | **Step 1** :Start.  **Step 2** :Enter value of Credit(a), Order(b), Stock(c).  **Step 3** :If a=Y/y then  If a<c then print supply to customer. Else print out of stock.  **Step 4** : else If a=N/n then print not supply Else print enter  correct amount.  **Step 5** :End |

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| Flowchart: |  |
| Code: |  |
| Output: |  |
| Question  Answer? | 1. Which kind of logic have you used for building this program? **If else if ladder** or **nested if else** statements?  **Answer:** I have applied nested if else statements for building this program |