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| Program  7.3 | Write a Program to multiply any two 3\*3 Matrices. |
| Algorithm: | **Step1:** Start  **Step2:** Declare A,B,C ,array and i, j, k, answer variable  **Step3:** Input Matrix A of 3\*3 and Matrix B of 3\*3  **Step4:** Enter the elements of the first MatrixA  **Step5:** Enter the elements of the first MatrixB  **Step4:** Set 3Loop for row, column, and inner column  **Step4:** Multiply Matrix A\*B and store it into Array C  **Step4:** Print Matrix C  **Step4:** End |

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| Flowchart: |  |

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| Code: |  |
| Output: |  |
| Question  Answer? | 1. State the advantages of using Array Indexes. When is it suitable to take array index?  Arrays are used when there is a need to use many variables of the same type. In an array, accessing an element is very easy by using the index number. The search process can be applied to an array easily.  Array is used to represent matrices.  For any reason a user wishes to store multiple values of similar type then the Array can be used and utilized efficiently |