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| Program  10.2 | Create a Union called library to hold accession number, title of the book, author name, price of the book and flag indicating whether the book is issued or not. (flag = 1 if the book is issued, flag = 0 otherwise). Write a program to enter data of one book and display the data. |
| Algorithm: | Step 1: Start  Step 2: Declare a union with members holding character value ,float and integer value.  Step 3: Declare union variables a1,a2,f.  Step 4: Take input from the user and store it in union variables.member according to requirement.  Step 5: Check the flag using ‘ if ’ condition(if flag is equal to 1 then book is issued).  Step 6: Stop. |
| Flowchart: |  |
| Code: |  |
| Output: |  |
| Question  Answer? | **Explain the major difference between structure and union in detail**  **Answer:**  A structure is a user-defined data type available in C that  allows to combining data items of different kinds. Structures are used to represent a record. A union is a special data type available in C that allows storing different data types in the same memory location. |