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| Program  8.2 | Let us assume, teacher is supposed to allot seats based on the student’s names. You are requested to help teacher by creating a C program, for collecting the names of 5 students and sort them in alphabetical order. Hint: Use string functions, use gets function to collect the names of students.   |  |  |  | | --- | --- | --- | | Sr No | Names | Sorted Name | | 1 | Akash | Akash | | 2 | Dev | Dev | | 3 | Hinal | Hinal | | 4 | Nand | Manan | | 5 | Manan | Nand | |
| Algorithm: | Step 1: Start.  Step 2: Input 5 strings in an array.  Step 3: Convert all strings in uppercase or lowercase. Step 4: Sort the array according to alphabetical order. Step 5: Print the sorted array.  Step 6: End. |
| Flowchart: |  |

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| --- | --- |
| Code: |  |
| Output: |  |

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| Question  Answer? | 1. Which string functions have you learned from this program? Explain any 5 string functions in below given table.  |  |  |  | | --- | --- | --- | | Sr No | String function syntax | Purpose | | 1 | Strlen() | Finding length | | 2 | Strcpy() | Copy a string | | 3 | Strcmp() | Compare two string | | 4 | Strcat() | Concatenating two string | | 5 | Strrev() | Reverse two string | |