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| Program 5.1: | Write a C program for the given scenario from the flowchart. Note that you have to enter your own height in centimeters .  **Expected Outcome:**  Write algorithm and write program for given scenario. Also attach screenshot of  output. Tick marks your achieved result in the appropriate column:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Sr.no | Input | Dwarf | Average | Tall | Abnormal | | 1 | Your height |  | ! |  |  | | 2 | Mother height |  | ! |  |  | | 3 | Father height |  |  | ! |  | | 4 | Sibling height | ! |  |  |  | |
| Algorithm: | **Step 1**: Start  **Step 2**: Enter your height(H) , your mother’s, father’s and sibling’s height.  **Step 3**: If H<150 print Dwarf  **Step 4**: If H>=150 and H<165 Print average height.  **Step 5**: If H>=165 and H<=195 print Tall.  **Step 6:** Else Abnormal height.  **Step 7**: Stop |
| Flowchart: | Average height  If H>150 and H<165  Dwarf  If H<150?  Enter height  NO Yes  Yes  If H>165 andH<190  NO Yes  Abnormal  Tall |

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