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| Program  4.1: | Write something about your characteristics not more than 50 words using gets function and print out using puts function.  Expected Outcome:  Draw flowchart, write algorithm and write program for given scenario. Also attach the screenshot. |
| Algorithm: | Step1: Start  Step2: Enter your characteristics using gets.  Step3 Print your characteristics using puts.  Step4: End |
| Flowchart: | Print your characteristics using puts.  Enter your characteristics using gets. |
| Code: |  |
| Output: |  |
| Question  Answer? | Q1 What is the significance of using gets and puts? Are they acting as replacement of any functions? How?  Answer:  Gets works as the scanf function which is user defined and puts works as the printf function which is pre defined function. |

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| Program: | Write a program to convert the decimal number into octal and hexa decimal format. |
| Algorithm: | Step1: Start  Step2: Declare and collect number.  Step3: Print octal number using %o  Step4: Print Hexadecimal number using %x  Step5: End |
| Flowchart: | Print Hexadecimal number using %x  Print octal number using %o  Declare and collect value |

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| Code: |  |
| Output: |  |
| Question  Answer? | |  |  |  |  | | --- | --- | --- | --- | | Sr.NO | Inputs | Octal | Hexadecimal | | 1 | 26 | 32 | 1a | | 2 | 143 | 217 | 8f | | 3 | 0 | 0 | 0 | | 4 | 1 | 1 | 1 | | 5 | -1 | 37777777777 | ffffffff | |