

# Computer Programming Assignment

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| 1) Define flow chart? Draw symbols of flow chart and explain use of each.  |
| 2) Draw flowchart to find whether given number is odd or even.   |
| 3) Draw flowchart to find maximum number out of given three numbers a, b , c.  |
| 4) Draw a flowchart to find minimum number from a given three numbers.   |
| 5) Define an algorithm. Write an algorithm to find whether given number is odd or even.  |
| 6) Draw and explain Basic structure of C programs  |
| 7) What is C token? List out the C tokens and explain any two C tokens in brief.   |
| 8) What is variable? List out rules to define variables  |
| 9) Explain #define symbolic constant with the help of program.   |
| 10) Explain Enumerated Data type.  |
| 11) Discuss implicit and explicit type conversion with example.  |
| 12) Explain arithmetic operators with one example.   |
| 13) Discuss relational operators with example.   |
| 14) Explain logical operators with an example.   |
| 15) Explain bitwise operators with an example.   |
| 16) Explain increment and decrement operators with one example.  |
| 17) Explain conditional operators with syntax and example.   |
| 18) Explain nested if-else statement with an example.  |
| 19) Explain else...if ladder with example.   |
| 20) Explain syntax of switch statement and example.  |
| 21) Explain goto statement with syntax and example.  |
| 22) Explain while loop with an example.  |
| 23) Explain do... while loop with suitable example.  |
| 24) What is Array? Write a program to read and display five element integer arrays.  |
| 25) Explain initialization of one dimensional array in detail.   |
| 26) Write a C program to swap two integers a and b.  |
| 27) Write C program to convert temperature from degree Celsius to Fahrenheit   |
| 28) Write a program to print following design using nested loop.<br>*<br>**<br>***<br>****   |
| 29) Write a C program to find whether the entered number is prime or not.  |
| 30) Write a program to check the category of given character. The character may belong to categories such as Digit, Upper Case, Lower Case or other Symbol.  |
| 31) Write a program to find roots of quadratic equation based on value of delta, i.e. if $\Delta > 0$ , print values of two roots, $\Delta = 0$ , print value of single root and $\Delta < 0$ print the message "imaginary roots". |
| 32) Write a C program to reverse the number. (e.g.123 -->321)  |
| 33) Write a C program to print the following output using nested for loop:<br>1<br>2 3<br>4 5 6<br>7 8 9 10<br>11 12 13 14 15  |

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| 34) Write a C program which finds the maximum element from one dimensional int array.  |
| 35) Write a program to find the factorial (e.g. $4! = 4*3*2*1 = 24$ ) of any integer using<br>(a) for loop<br>(b) while loop<br>(c) do...while loop  |
| 36) Write a program to find whether the entered number is Armstrong or not.  |
| 37) Write a program which scans any integer and then finds the sum of all the digits of the number.  |
| 38) Write the program to find greatest among three integer variables using else..if statement.   |
| 39) Write a program that read the age of person from keyboard and check whether the person is eligible for voting or not.<br>(a) Using simple if statement.<br>(b) Using simple if...else statement. |
| 40) Write a program to print the Following Pattern using for loop which shown in below :<br>@<br>@ @<br>@ @ @<br>@ @ @ @<br>@ @ @ @ @  |