

Lab 02: Assignment

1. Enter value and check it is less, equal or greater than zero.
2. Input 2 number and print the maximum among them.
3. Input 2 number and print the maximum among them. (with conditional operator)
4. Input 2 number and print the minimum among them.
5. Input 2 number and print the minimum among them. (with conditional operator)
6. Input 3 number and print the maximum among them.
7. Input 3 number and print the maximum among them. (with conditional operator)
8. Write a program that find minimum and maximum out of 3 values.
9. Write a program that interchange or swap the values of 2 variables.
10. Write a program to interchange the value of 2 variable without using 3rd variable
11. Write a program to check whether the entered no is odd or even.
12. Get a character in lower case form user and display it in upper case.
13. Get a character from user and print tell that is it vowel or consonant.
14. Print & calculate area of circle, area of triangle & $(f+g)*(f+g)$ & simple interest using user-defined option
15. Print & calculate addition, subtraction, multiplication & division of two value in one program
16. Write a program that take input of 5 subjects marks. Count the percentage. Print the result for following condition
 - If student has 70% or more then 70% then DISTINCTION.
 - If student has percentage between 60 and 69 then FIRST CLASS.
 - If student has percentage between 50 and 59 then SECOND CLASS.
 - If student has percentage between 40 and 49 then PASS CLASS.
 - If student has percentage less then 40 then FAIL.
17. Write a program that take input of 5 subjects marks. If student get 40 or more then 40 then he is PASS in that subject otherwise FAIL print the result for following condition.
 - If student is pass in all subjects then declare PASS.
 - If student is fail in 1 or 2 subject then declare ATKT.
 - If student is fail in more then 2 subject then declare FAIL.
18. Write a program that count the area for circle, square, rectangle and triangle using user-defined cases
19. Write a program that take input of year in 4 digit. Determine whether the year is leap year or not.(try to solve this problem with && and or operator)
20. Write a program that determine the grade of steel according to following condition.
 - Hardness must be greater than 50
 - Carbon must be less than 0.7
 - Tensile must be greater than 5500Take the input for above qualities through keyboard from user Grades are decided as follows.
 - Grade A if all 3 conditions are met.
 - Grade B if condition (1) and (2) are met.
 - Grade C if condition (2) and (3) are met.
 - Grade D if condition (1) and (3) are met.
 - Grade E if only one condition met.
 - Grade F if none of conditions are met.