

Lab Assignment 4

Note:

- Discuss the concept of type casting
- Use of logical operators
- Use of if-else statements

1. WAP using sizeof() function to find size of char, integer, long int, float and double

2. WAP to divide two numbers and use type casting operation (e.g. mean = (double)sum/n;).

3. String is set of characters (one next to each other stored in the memory and not related to each other), e.g., ="abc123". WAP to practice type casting using the following functions. You can initialize a string using statement char *s="3.145" Then s is a string.

S.no	Typecast function	Description
1	atof()	Converts string to float
2	atoi()	Converts string to int
3	atol()	Converts string to long
4	itoa()	Converts int to string
5	ltoa()	Converts long to string

4. Any year is entered through the keyboard, write a program to determine whether the year is leap or not. Use the logical operators && and | |.

5. For any character entered through keyboard check whether the entered character is capital letter, small letter, a digit or special symbol

6. To find greatest of 3 integers using two methods (a) if-else and (b) ternary operator.

7. To check whether number is: (a) even or odd (b) negative or positive by using (i) if-else (ii) ternary operator