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Assignment - III



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1. Assignment III

- a. Define macro for seasons spring, summer, winter, rainy. Ask user to give input and print season.
- b. Write a C program to find the area and perimeter of circle, Volume of a cylinder using macros.
- c. Declare a variable static increment it ,print and analyze .
- d. Find average of numbers ,where numbers are declared globally.
- e. Find subtraction of numbers using local variables.
- f. Find addition of numbers using extern .
- g. Repeat question 7 using headerfile.

2. Theory question need to clear

- a. What is macro? What is the use of Macro? What is the advantage of macro?
- b. What is the problem associated with macro?
- c. Can macro is used in place of function?
- d. What is inline function?
- e. What is the use of inline function?
- f. What is the difference between Macro and Inline function?
- g. What is the advantage and disadvantage of macro and inline function?
- h. Write a macro to find minimum of number from given three number?
- i. What is storage class? Explain all storage classes? Which variable goes in which memory?
- j. What is static variable? What is the use of static variable? What is the life of static variable?
- k. What is static function? What is the advantage of static function?
- l. How to use static function in some other file?
- m. What is wrapper functions?
- n. What is the life and scope of local and global variable?
- o. How to use static variable in some other file?
- p. What is extern? What is the use of extern?
- q. What is volatile keyword? What is the use of it?
- r. What is the use of header file? How to make header file and use?
- s. Which type of variable we need to define into header file?
- t. What is the difference between < > and " " while adding header file?
- u. Out put ? `int main () {const int a=10; printf("%d\n",++a); return 0;}`



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- v. If we define `#define SUM 0` and `const int sum =0;` are both are same?
- w. Can a variable together `const` and `volatile`?

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