

# BASIC COMPUTER LABORATORY

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- 1. Library functions are built-in functions that are grouped together and stored in a single location known as the library. Each function in this section performs a specific operation. To obtain the predefined output, we can use the library functions. Many header files are used to declare all C standard library functions. These library functions are created during the compiler design process. Below is the example of C standard library functions:
  - a) stdio.h (getchar): Reads a single character from stdin.
  - b) stdio.h (getc): Reads a single character from the input stream.
  - c) math.h (tan): Calculates the tangent of x.

### **References:**

- <a href="https://www.programiz.com/c-programming/library-function">https://www.programiz.com/c-programming/library-function</a>
- 2. Void function () → this is void as function return type, Nonvalue-returning functions, also known as void return types, are used in the same way that value-returning functions are, with the exception that void return types do not return a value when the function is executed. After completing its task, the void function returns control to the caller. The void function call is an independent statement. Void function (void) → this is void as function parameter, indicate the function takes no actual parameters.

## References:

- https://jameshfisher.com/2016/11/27/c-void-params/
- 3. Below is some difference between local and global variable:
  - For local variables it's variable are declared inside a function while global variable are declared outside any function.
  - The scope for local variable is within a function, inside which they are declared while global variable throughout all the program

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• To access for the local variable, accessed only by the statements, inside a function in which they are declared while global variable accessed by any statement in the entire program.

### **References:**

- <a href="https://www.javatpoint.com/local-variable-vs-global-variable">https://www.javatpoint.com/local-variable-vs-global-variable</a>
- 4. The program will be error, in this case the program didn't recognize the inc function because the program read a code from top to bottom. If the function placed before main function the output will be 0.

### **References:**

- https://www.tutorialspoint.com/cprogramming/c\_functions.htm
- 5. Below is the program :
   #include <iostream>

  int cube(int num){
   int result;
   result = num\*num\*num;
   printf("The Result is : %d ", result);
  }

  int main(){
   int number;
   printf("Enter the number : ");
   scanf("%d", &number);
   cube(number);
   return 0;

### THE OUTPUT:

}



# BASIC COMPUTER LABORATORY

Enter the number : 3
The Result is: 27
Process exited after 0.788 seconds with return value 0
Press any key to continue

## **References:**

• https://www.programiz.com/c-programming/c-functions