C-05 > Structure of a C Program

1 Danmentation Section

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/* Program for addition of two numbers */

11> Single Line Comment

1* *1 > Multiple Line Comment-

* This is used when some one sus our program in future, they can understand what is that pergram, called documentation section

2 Link Section:

\$0 # included stdio. B) => header file or library * pound(), starf() > These functions definitions are gives in this library (# initude & stdio. h) * Compiler don't understand pourts () of Scarge) furdion without using this library.

30 # willide Lamio. 8)

console input output

* getche) function is defined in this.

83: # include 2 math . h>

Void for mathamatical functions,

84: # include & string. h>

Used for string of functions like Striker, Strong * Linker will link the predefined functions Code in the program using header files.

3 Definition Section ..

dufin PI 3.14159

dufin MAX 200

Ly Value:

Mavo Name

Thus we use the values more than
one or many times in a program;
thus we can define a name called
HACRO name for that specific value.

I Instead of using that Value; we can
use that MACRO name is the program

Advantage: When we want to update
the Value; we can simply change the
value in this header file; instead of
Charging at places; if we can only the

8:4 9 200 is used many times; we can define it cloing maoro mane. * If we want to update value 200 to 100, we simply change it in header file; here is the pgm where all the moore name MAX is used it charges to 100. # dufine MAX 200 charg value # dufine MAX 100 Not only values; we can also define; small function diclonations in expressions or evaluation 8:81) # defire add (2,y) 2+y. => add(4,3) =>7 Eg (2) [# define greater (aiy) if(a>y)] printy ("/d is greater than id", pointly ("/d is lesson than/d" int main() greater (5,6); 4p> 5 is lessonthan 6

(a) ylobal Declaration Section:

Social scint or; dicloration y a = a+b; x

it is dictored locally in sum!) (82)

* to use a in main!; In main!)

also we should declare 'int a'.

Instead of doing this; we low depoint ductions the variable outside of all the functions.

include 2 conso. h)

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World sun (); > 1, 4 of functions

Void subi(); > 1, 1, 2, 3, 4 functions

(5) Main!) function section!

one main function; when we compile the right; the control goes to main function & void main!

Declaration;
Shoutable; (Sum= a+b)

* It is user defined functions; which will 6) sub Program Sections: come after main function. Main function can call the liser defined functions. # include & Statio. A) > Link Section # include (conto. 1) - define section void maint) prints ("Hello World"); (Ementable poort). getchi) Eg: All sictions: It include Letaion >> Link Section # Indiede Loonion. h) # define MAX 100 > define Section wit a=50; -> global diclanation variable. void display(); -> user dupried function diclaring Void main) - main function poury 1" 17 ello"> display (); 0/p > Hello 100 > void display() pount (v.d. , ata).