

Assignment - 3

1) what are primitive data types in C language?

Primitive data type in the program are already included in keywords in the C program.
eg: int, char, float, double.

2) what kind of statements can be written outside the function body?

ans → Declaration statement can be written outside the function body.

3) what is the size of the float type variable?
→ 4 byte

4) what is the value of an uninitialized variable?

Zero or undefined values.

5) what is the difference b/w float and double

→ where float carries 4 byte of memory & double carries 8 byte of memory. if u want more accuracy for points then go for double data type.

7) what is difference between a keyword and a function?

function is block of statement, which has some name for identification.

Keyword is the word that comes before identifier in a variable/object declaration.

that is responsible for defining the type of variable.

6) what is the full form of ASCII?
→ American standard code for information interchange

8) Explain the use of type modifiers in C language.

Short : only use with int → memory 2 byte

Short int a : → -2^{n-1} to $2^{n-1}-1$
 -2^{15} to $2^{15}-1$

(default take int)

long → int → long int a ;
double → long double b ; 4 byte or 8 byte

long long → int (8 byte) ; long long int c ;

unsigned → int
default int → char → 0 to 2^n-1
 $2^{32}-1$
 2^8-1

unsigned char 0 to 2^8-1
0 to 255

Signed :

int a : -2^{n-1} to $2^{n-1}-1$
 -2^{31} to $2^{31}-1$

signed int a ;

signed char b : -2^7 to 2^7-1
 -128 to 127

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9) Can you assign a character constant
in an int variable?

• yes, this take space will more

10) State the following statement as true or
false
Every block of is a function

Yes