

Computer Science - 10th Class Computer Science English Medium Chapter 1 Preparation

Q1. Define math.h header.

Ans 1: `#include<math.h>`

This header file contains constants and functions to perform mathematical operations.

Q2. What are reserved words or keywords ?

Ans 1: Every programming language has a list of words that are predefined. Each word has its specific meaning already known to the compiler. These words are known as reserved words or keywords.

Q3. What are character constants ?

Ans 1: Any single small case letter, upper case letter, digit, punctuation mark, special symbol enclosed with ' ' is considered a character constant e.g. '9', '100', "!" etc.

Q4. What is integer data types ? Mention its types.

Ans 1: Integer data type is used to store integer values (whole numbers). Integer takes up 4 bytes of memory. We can use int for declaring an integer variable. There are two types of integer data types.

1. Signed *int*.
2. Unsigned *int*.

Q5. What is constant ?

Ans 1: A constant is a quantity which value cannot be changes. Constants are usually written in numbers e.g. 10, 13, 100 etc.

Q6. How many types of comments in C language ?

Ans 1: There are two types of comments.

1. Single line comment.
2. Multiple line comment.

Q7. What is range of int value in the compiler that uses two bytes memory ?

Ans 1: Some compiler use two types of memory to store an int value. In such compilers, an int value integers from -32,768 to 32,768.

Q8. Define conio.h header file.

Ans 1: #include<conio.h>
It stands for console input/output.

Q9. Define header section and header files.

Ans 1: Header section is the part where header files are included. Header files are collection of standard library functions to perform different tasks. These tasks include all the input/output operations and all the math operations. The extension of header file is .h.

Syntax:

```
#include <header file name>
```

Examples:

```
#include<stdio.h>
```

```
#include<conio.h>
```

Q10. List down five reserved words in C programming language.

Ans 1: if, else, for, while, int, float, char etc.
