

Tutorial 2 : Data-Variables and Constants

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Objective :

- This lab is intended to introduce data variables and constants in C.

Recommended Systems :

- Any Flavour of Linux - We will be using Ubuntu Systems in the lab 5042

References :

- Unix concepts and applications, Fourth Edition, Sumitabha Das, TMH.
- Brian W. Kernighan and Dennis M. Ritchie, The C Programming Language, Prentice Hall of India.
- Byron Gottfried, Schum's Outline of Programming with McGraw-Hill.

Getting Started

- Switch on your monitor.
- Switch on your PC.
- Allow the machine to boot.
- Wait until the log in prompt comes.
- Supply your log-in and password
 - Log in : iiita
 - Password : iiita123This opens your window manager(usually GNOME) with icons, the side panel, and so on. You are now ready to start your work
 - Click on the terminal icon to open a shell (command prompt)

Tutorials : Compiling simple C Programs

- Three programs named *prog6.c*, *prog7.c*, *prog8.c* have been provided in the *Helpful resources Section* of this lab exercise. Run each of them to know how they work.
- To run each of the *c* files follow the steps given in Tut -0.

- *prog6.c* : Assigns and displays integer values. Shows effects of overflow and wrong format specifier.
- *prog7.c* : Assigns and displays the floating point types. Determines the precision of float and double on your machine.
- *prog8.c* : Handling the char data type and escape sequence.