# Overview

## In this lesson, you will learn about:

* Comments
* The #include, and header files such as <stdio.h>
* The main{} function
* The standard functions printf(), and scanf()
* The elementary numerical data types:

int (integer)

float (floating point)

char (character)

* Declaring variables, with meaningful variable identifiers
* Initializing variables as they are declared
* The use of the conversion specifiers: %d, %f, %c
* How to get data into a program, and how to print data to the screen
* Some C operators:

(+, -, \*, /) arithmetical

(=, ==) “takes the value of”, and “equal to”

(%, &) modulus, and “address of”

**Important Notes:**

* **You should type in all the programs in this handout, and run them more than once with different data**
* **You should read, and understand everything in this handout, the material in it forms the basis of the quizzes**
* **If you don’t understand something; ask me to explain.**