Introduction to Computer Science

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A Portable Scientific Visualization Program:
GnuPlot
GNUPlot is an interactive function plotting program.

- It has interactive or batch modes.
To invoke interactive mode it is sufficient to give the **GnuPlot** command at the command prompt of linux.

- **GnuPlot** syntax is case sensitive
plot sin (x)

This command plots the sine function.
\texttt{plot [-5:5] sin (x)}

command selects the horizontal plotting range between -5 and 5.
The range for the vertical coordinates can also be set by the user. For this purpose we can use an additional pair of brackets. For example, the command

```
plot [-5:5] [-2:2] Sin(x)
```
Load

The syntax of the command is `load “inputfile”`. The name of the inputfile must be enclosed in (either single or double) quotes.