Basic Concepts Goals

- How to code simple programs in C.
- How program allocates memory to store data called variables.
- How variables are used to store and retrieve data, and to make numerical calculations.
- How decisions are made and a program can branch to different paths.
- How set of computations can be repeated.
- How program can be tested for errors and errors removed.
CPU and Memory Configuration

![Diagram of CPU and Memory Configuration]

Figure 1.3: CPU and Memory Configuration