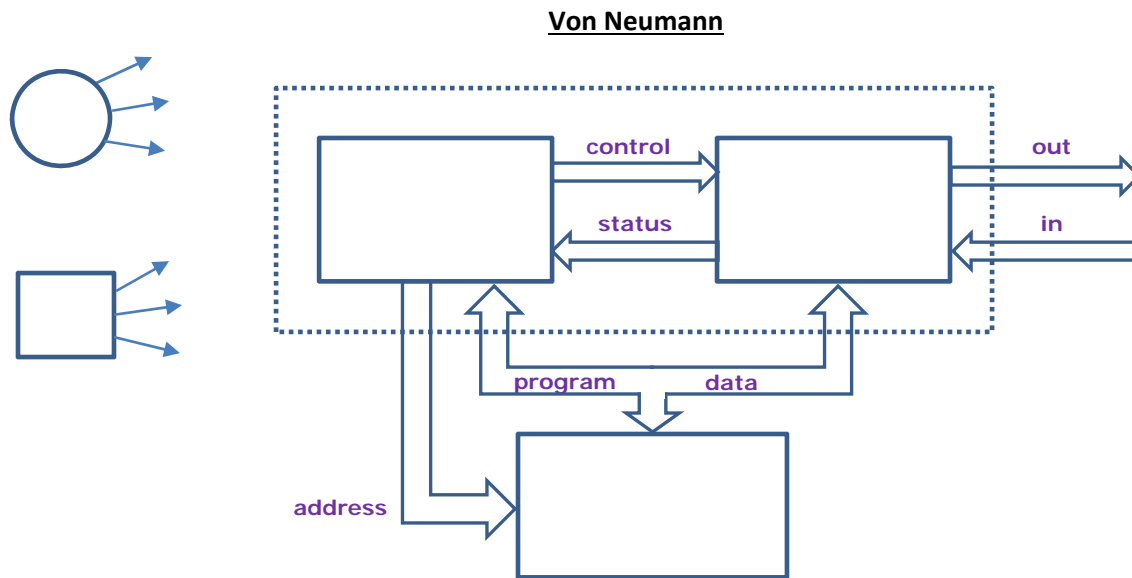


Processor Architectures – CPU and Memory

There are two basic kinds of computer architecture:

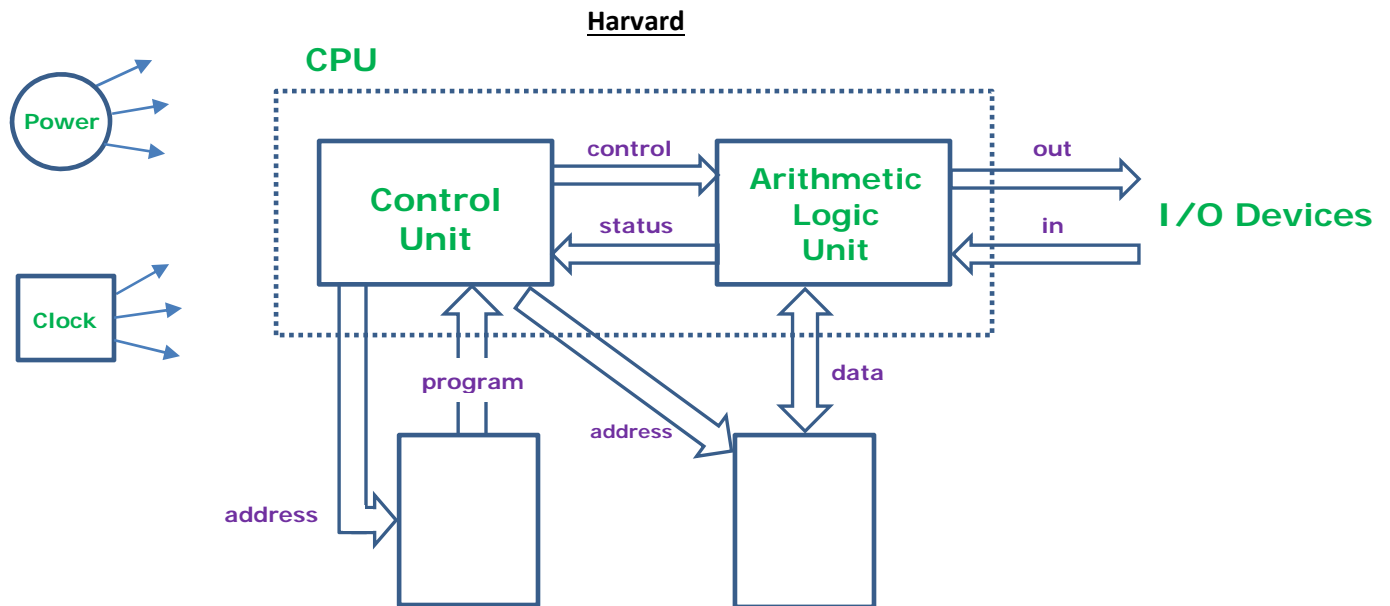


Examples

Intel PCs

Motorola μ C 68HC12

ARM7



Examples

c2000

various DSPs

Microchip PIC μ C

ARM9

The c2000 architecture is known as a “modified Harvard” design. That is, it has separate program and data memory banks, but has the additional feature that some of the program and data space is dual-access, i.e., the dual-access space can be accessed as either program (e.g. containing instructions) or data (e.g. containing variables). An example is the L0 RAM space: We can use it to contain our code during development or to contain data when the code is stored in Flash.