Addressing Modes

- **Immediate**
  - no memory reference
  - the size of the number is restricted to the size of the address field

- **Direct**
  - simple
  - limited address space

- **Indirect**
  - large address space
  - multiple memory references

- **Register Direct**
  - small address field in the instruction
  - no memory reference
  - limited address space

- **Register Indirect**
  - large address space
  - extra memory reference

- **Displacement**
  - flexibility
  - complexity
  - Relative addressing