

CSE 2133 Coding Standards

The following standards must be adhered to with your code.

These have been mentioned in class, but would be good to have these in one place, and documented.

- Comment block at the beginning of your program. Contains
 - Your name
 - Purpose of the program
- Only one **Stop Run** in your program
- Indenting (at least 3 spaces)
 - Inside **If** statements
 - Inside **Else**
 - Inside in- line **Performs** (Perform without a paragraph name)
 - Inside **At End** clause of **Read** and **Search** statements
 - Inside **Not At End** clause of a **Read** statements
 - Inside **On Size Error** and **Not On Size Error** clauses
 - Inside **On Overflow** and **Not On Overflow** clauses
 - Inside **When** clauses of **Evaluate** and **Search** statements
- Only a single statements in the following clauses:
 - Any **At End** clause of a **Search** statement
 - Any **Not At End** clause of a **Read** statement
 - Any **On Size Error** and **Not On Size Error** clause
 - Any **On Overflow** and **Not On Overflow** clause
 - Inside **When** clauses of **Evaluate** and **Search** statements
- “End” delimiters for each of the following statements:
 - Any in-line **Perform** (Perform without a paragraph name)
 - **Read**
 - **If**
 - **Add, Subtract, Multiply, Divide, Compute** (only if **On Size Error** and/or **Not On Size Error** clause is present)
 - **Search**
- Edited/Formatted Numeric
 - Any number that is output to the screen, or to a formatted report, must be edited
 - Unless otherwise specified in the assignment, the standards are:
 - Visible decimal points (for numbers with a decimal part)
 - Suppress leading zeroes
 - Thousands separator (for numbers where the integer part is more than 3 digits)
 - Currency symbol for currency amounts (floating)
 - Sign for signed values (floating or trailing; typically the minus sign)
- **Write** statements
 - Output sequential files will always be line sequential
 - When writing a report file, use **After Advancing 1 Line** or **After Advancing Page**
 - When writing a data file, use **Before Advancing 1 Line**