





- Example assembler program: [click here](#)
- Example 2: making sure that y is the largest number

```

int x;           Assembler construct for this if-statement:
int y;
int help;

if ( x > y )    MOVE.L x, D0
{ // Swap x and y  CMP.L y, D0           Compares x against y
  help = x;      BLE L1                Skip when x <= y
  x = y;
  y = help;      MOVE.L y, x
}               MOVE.L D0, y

                Note: we don't need a "help"
                variable to achieve swapping
                The data reg. D0 is
                the "help" variable...

                L1: ...

```

The **flow chart** of the **program** is:

