Q1-1  Write a C++, C, Java, or Fortran code that:
(1) reads one integer number, \( d \), from the keyboard
(2) calculates \( d! \) (for example, if \( d = 5 \), \( 5! = 5 \times 4 \times 3 \times 2 \times 1 = 120 \))
(3) displays the result of the calculation on the screen in the following format.
```
  5! = 120
```
(if \( d \) is 5).

Your code has to be complete, that is, compilable and linkable without errors.