Algorithm

1. Start
2. Read number to convert to factorial output, store in number.
3. Start for loop at 1, store in i.
4. If i is less than number, go to step 5. Else, skip to step 8.
5. Compute factorial (= factorial * (i + 1)), store in factorial.
6. Increment i by 1.
7. Go back to step 4.
8. Display "The factorial of ", number, "is ", factorial.
9. Stop.

Flowchart

Start

Declare variable number

Read number

Start loop with i = 1

is i < number?

True

False

factorial = factorial * (i + 1)

Increment i by 1

Display "The factorial of ", number, "is ", factorial.

Stop