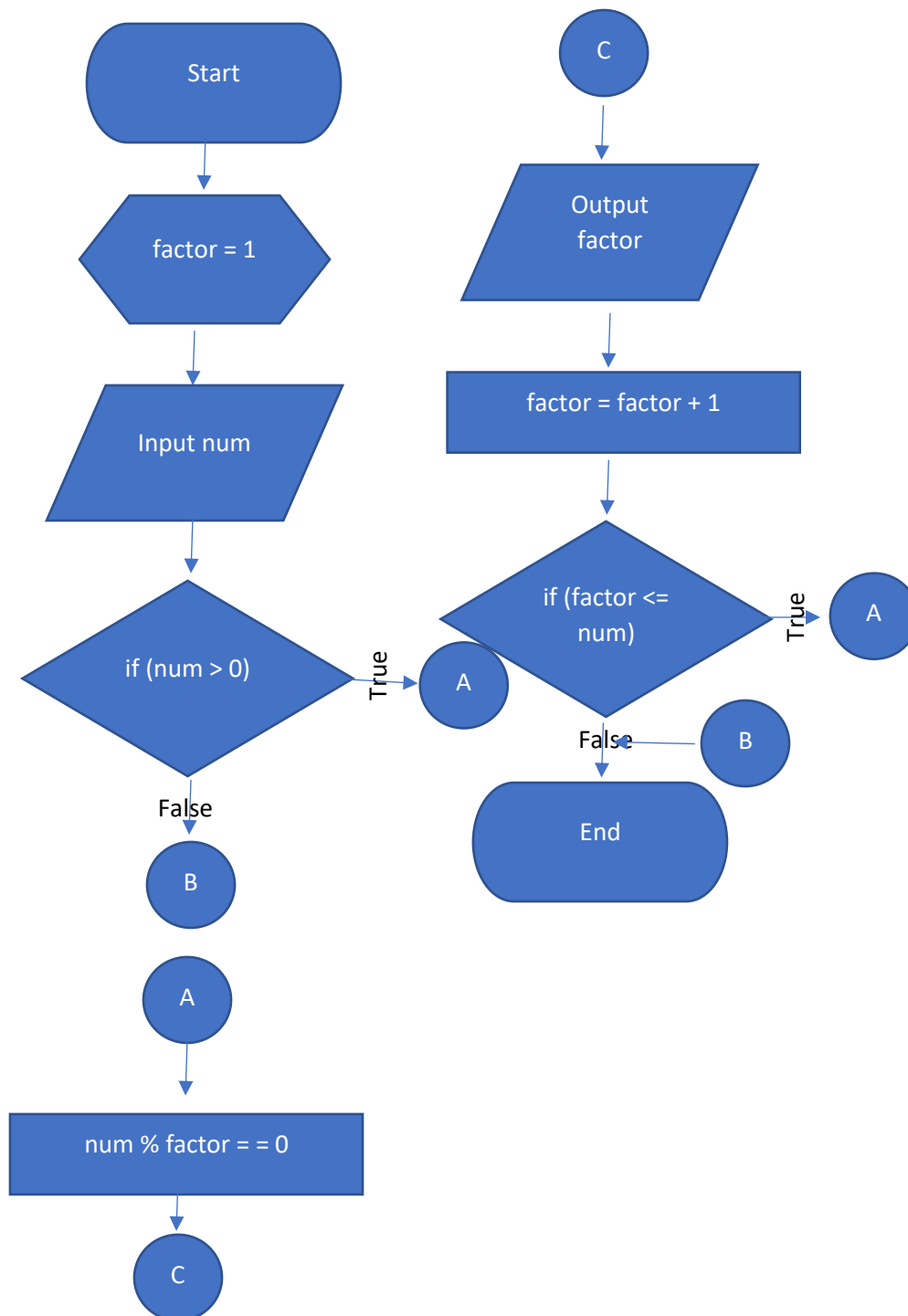Selective-Iterative Problem

Create a flowchart and a pseudocode that would input a number and output its factor values. NOTE: Validate first the number before processing the factor. If the number is either zero or negative, then end the flowchart / pseudocode. if the number is positive do the following below:

Sample Output:

Enter a Number: 6

Its factors are: 1 2 3 6

Flowchart

```
Start
  ↓
factor = 1
  ↓
Input num
  ↓
if (num > 0)  ──True──→ A
  ↓ False
  B
  ↓
  A
  ↓
num % factor = = 0
  ↓
  C
```

```
C
  ↓
Output factor
  ↓
factor = factor + 1
  ↓
if (factor <= num)  ──True──→ A
  ↓ False ── B
End
```

Pseudocode

Variables used:

    num, factor are numeric.

Begin:

    factor = 1

    display "Enter a Number."

    accept num

    if (num > 0) then

        begin

            display "It's factors are:",

            while (factor <= num) do

                begin

                    if (num % factor = = 0) then

                    display factor

                    factor = factor + 1

                end

        end

End.