1. Draw a flowchart to calculate the average of 5 subject fir HSC student.

```
            ┌──────────────┐
            │    START     │
            └──────────────┘
                   │
                   ▼
     ╱─────────────────────────────╲
    ╱   Declared sub1, sub2, sub3,   ╲
   ╱     sub4, sub5, average          ╲
  ╱───────────────────────────────────╲
                   │
                   ▼
  ┌───────────────────────────────────────────────────────┐
  │ average ← (subject1+subject2+subject3+subject+subject5)/5 │
  └───────────────────────────────────────────────────────┘
                   │
                   ▼
          ╱───────────────────╲
         ╱   Print ← average    ╲
        ╱───────────────────────╲
                   │
                   ▼
            ┌──────────────┐
            │    STOP      │
            └──────────────┘
```
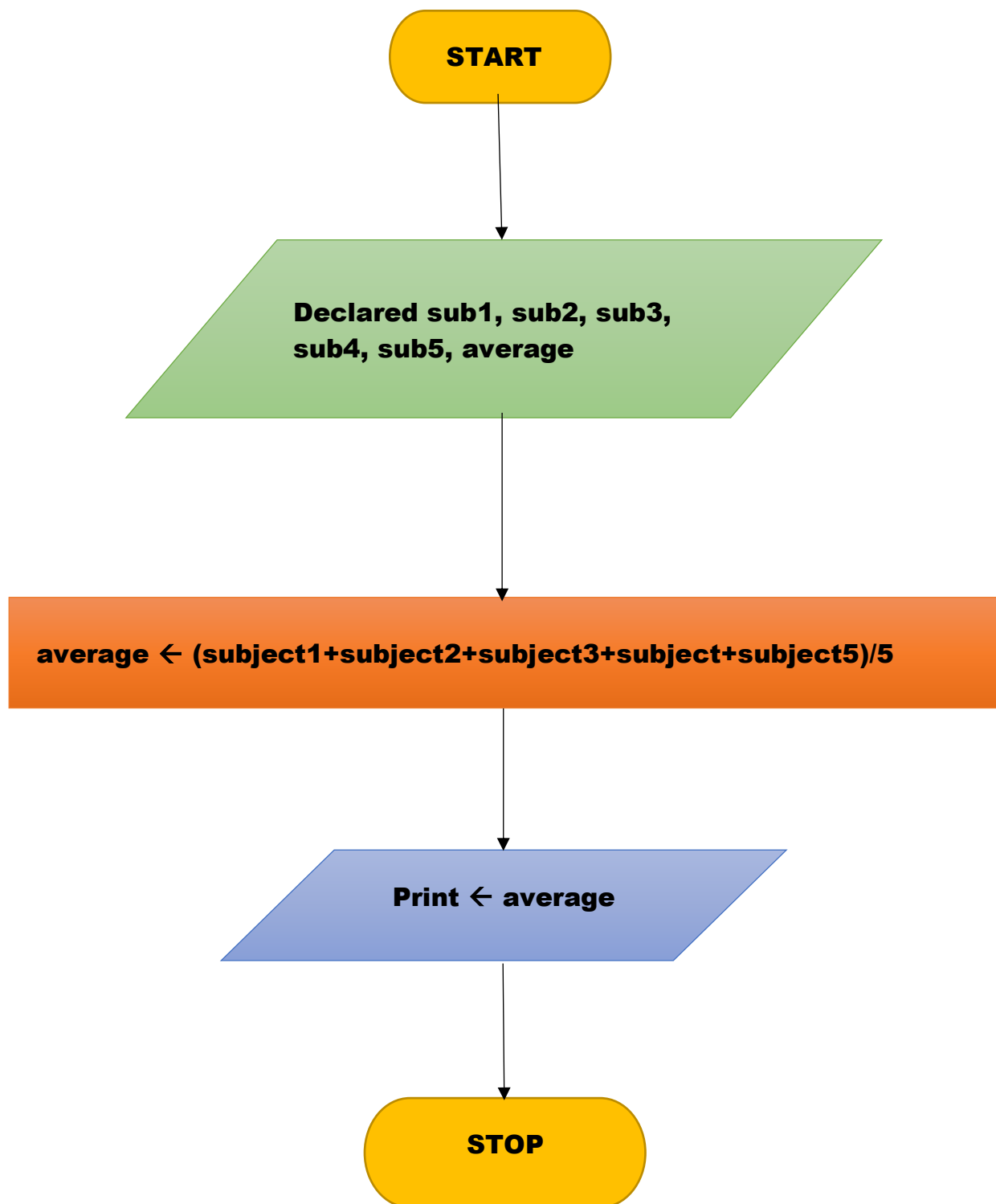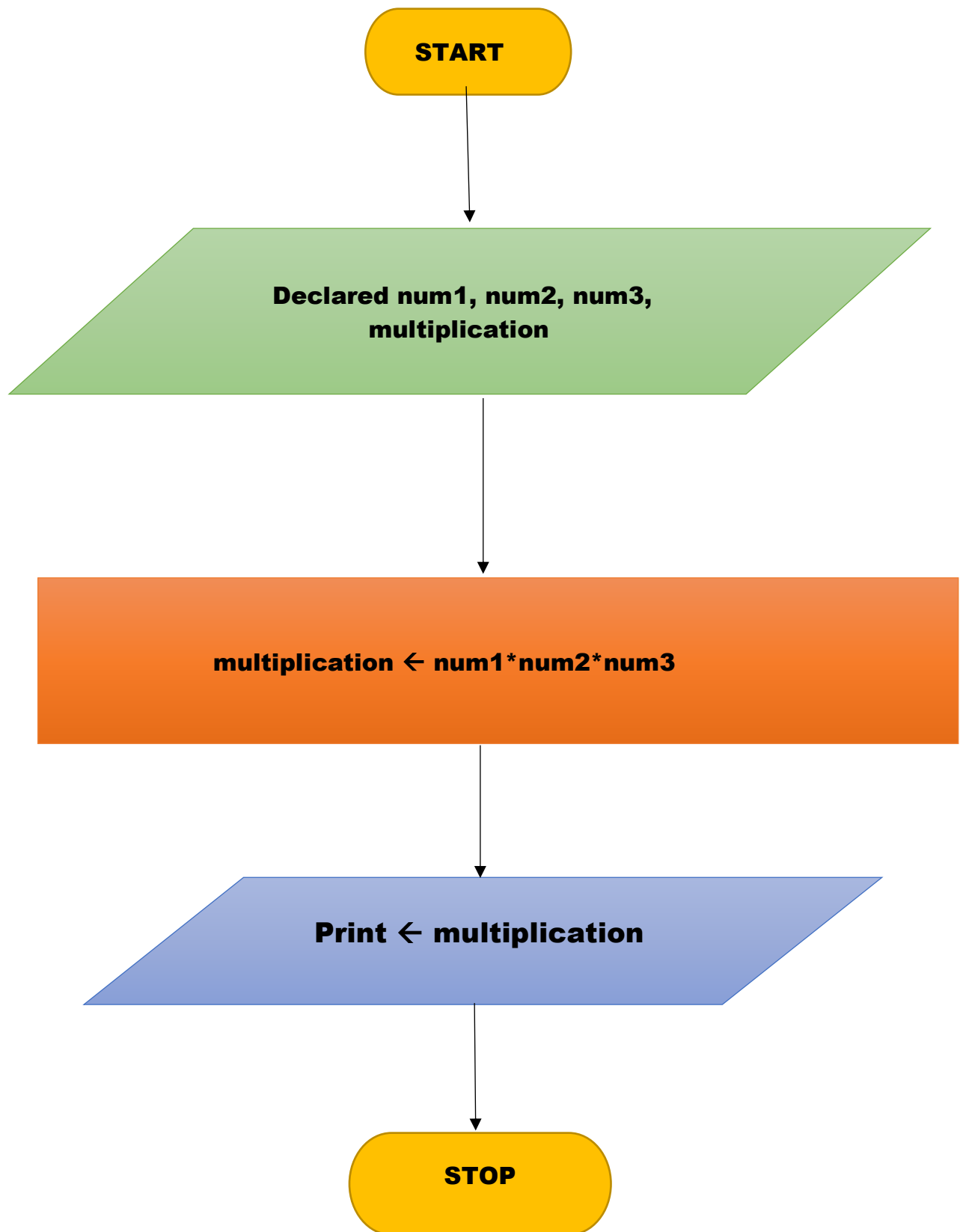
Example 2:

Design a flowchart for checking whether the number is positive or negative according to the number entered by the user.

START

Declared number

Condition is False

Condition
Number > 0

Condition is True

Number is
Negative

Number is
Positive

STOP
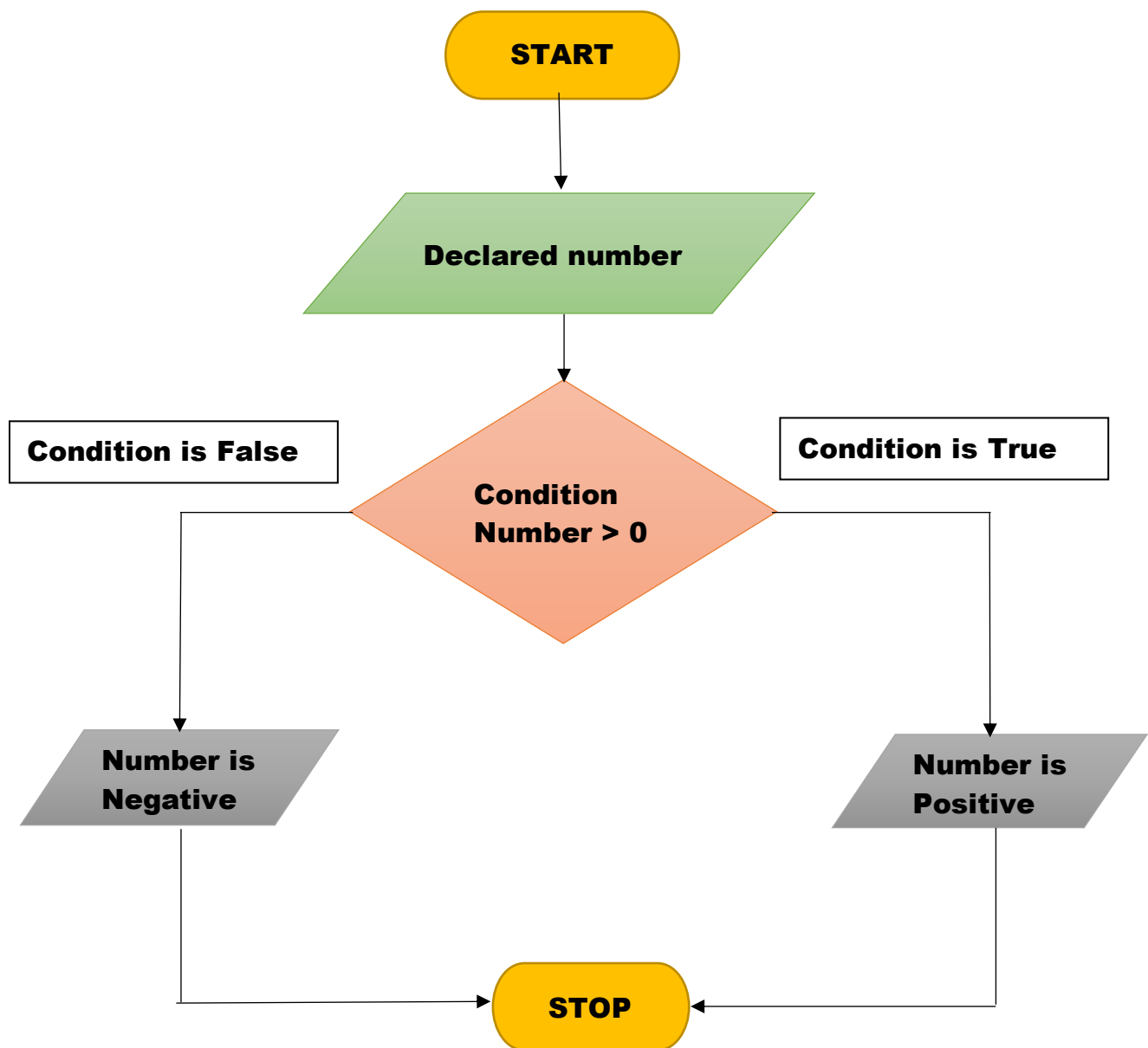
Example3:

Design a flowchart for the multiplication of three numbers entered by the user.

START

Declared num1, num2, num3, multiplication

multiplication ← num1*num2*num3

Print ← multiplication

STOP

Example: - program to flowchart

marks>90 - A GRADE ; marks >80 - B GRADE ; marks > 60 - C GRADE ; marks >40 - D GRADE ; FAILED

```
                                              STRAT
                                                │
                                                ▼
                                        Input "mark"
                                                │
                                                ▼
              FALSE                      Condition                TRUE
                                         mark>=90
                      FALSE                  │                          │
                                             ▼                          ▼
                                      Condition          TRUE        Print
                                      mark>=80                       Grade "A"
              FALSE                       │           │
                                          ▼           ▼
                                  Condition        Print
                                  mark>=60   TRUE  Grade "B"
                                      │          │
                                      ▼          ▼
                          Condition          Print
                          mark>=40   TRUE    Grade "C"
                              │          │
          FALSE              ▼          ▼
                        Print       Print
                        Failed      Grade "D"
                                                                    STOP
```