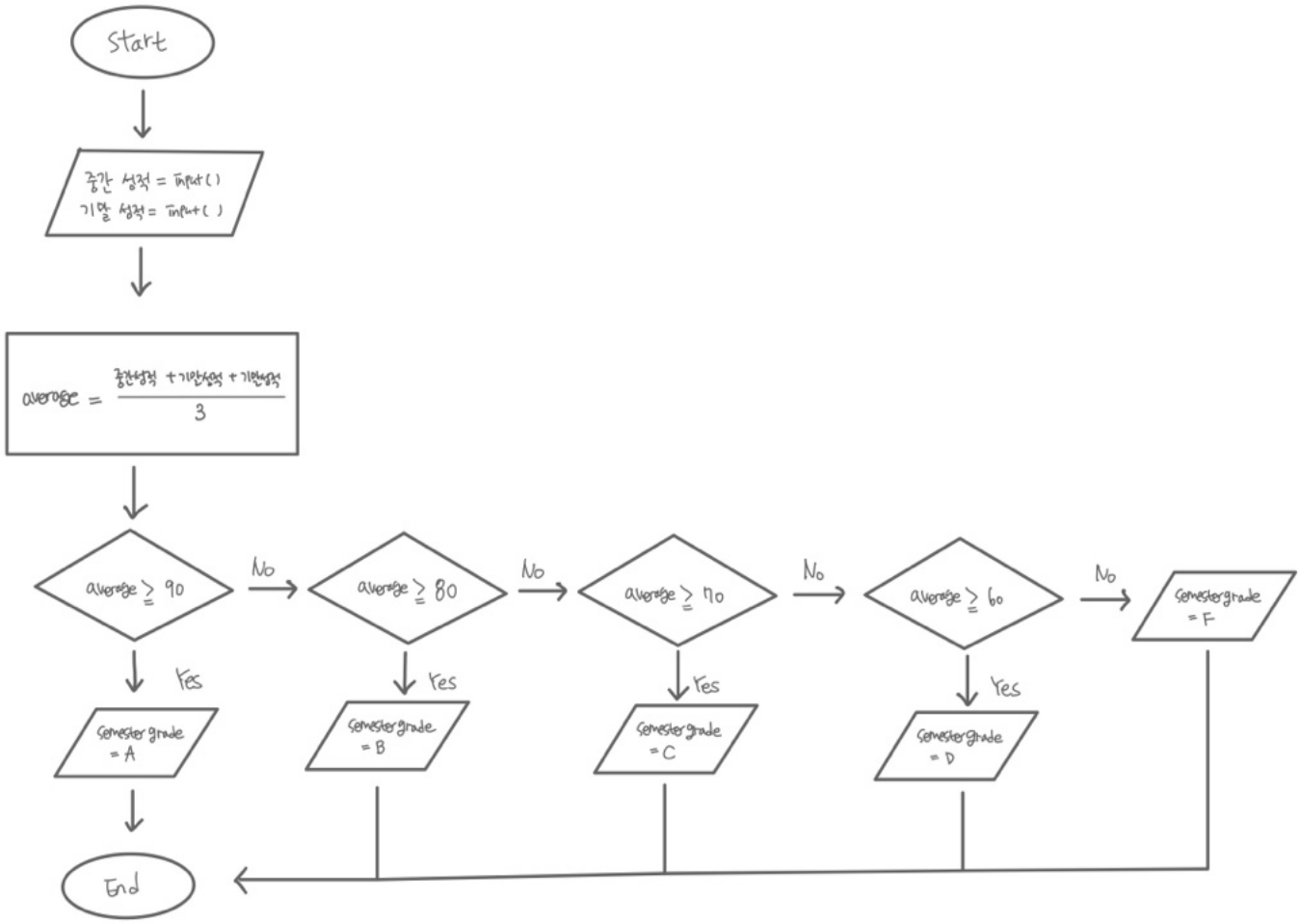
Flow chart




```
import math

def main():
    midterm = int(input("Enter grade on midterm: "))
    final = int(input("Enter grade on final exam: "))

    average = (midterm + final + final)/3
    average = math.ceil(average)

    grade=semesterGrade(average)
    print("Semeter Grade:",grade)

def semesterGrade(average):

    if average>= 90 :
        grade = 'A'

    elif average>= 80 :
        grade = 'B'

    elif average>= 70:
        grade = 'C'

    elif average>= 60 :
        grade = 'D'

    else:
        grade = 'F'

    return grade

main()
```

```
File  Edit  Shell  Debug  Options  Window  Help
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2
Type "help", "copyright", "credits" or "lic
>>>
========== RESTART: D:₩2021-1학기₩프로
Enter grade on midterm: 88
Enter grade on final exam: 91
Semeter Grade: A
```

1. def main():

: After Receiving the input of the scores of the middle-exam and final-exam, calculate the average, and then display the grade according to the average section

-The input function was used to input and receive the midterm and final scores. At this time, the score is received only an integer(int).

-Since the weight of final exam is twice that of the midterm exam, the average is (midterm score + final score + final score)/3.

-Since a decimal point may occur in the calculation processing for average, use the math.ceil function to convert this to the nearest integer. (I entered 'import math' first line, because I need to use the import command to use the math module in python.)

- Define the function semesterGrade to provide the division of the average obtained earlier for each grade, and output the final grade via the print statement.

2. def semesterGrade(average):

: The average obtained from the main function is distinguished by the alphabet based on each interval using the conditional statement

-If the average calculated by using the if statement of condition is 90 or more, the grade is indicated as A.

-If the average is, respectively, 80, 70, 60 or more under other conditions using the elif statement, it is shown in B, C, and D.

-If average is the remaining (less than 60) using the else statement, all grades are indicated by F.

-Through the return statement, return the value obtained by the function semesterGrade to grade, and make the final semester-grade output by the print statement from main function.