1911330 이민정

1. Flow chart

```
start
  │
  ▼
def main
input
mid grade
final grade
  │
  ▼
def semesterGrade
ave=(mid+final*2)
  │
  ▼
def ceil
round(ave)
  │
  ▼
def semesterGrade
ave>=90
```

- True → return A
- False → def semesterGrade ave>=80
  - True → return B
  - False → def semesterGrade ave>=70
    - True → return C
    - False → def semesterGrade ave>=60
      - True → return D
      - False → return F
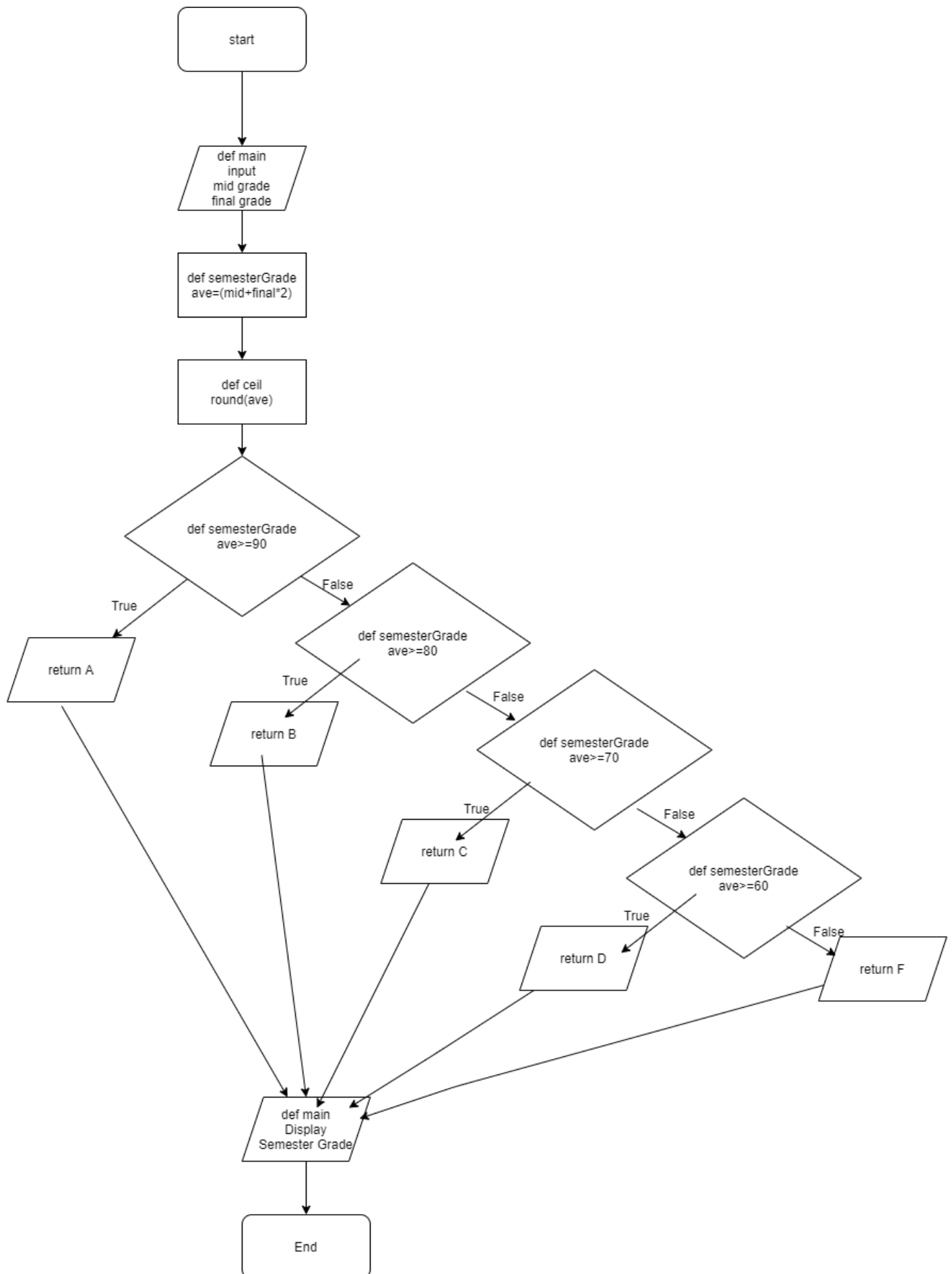
```
def main
Display
Semester Grade
  │
  ▼
End
```

2. Result explanation

```
Enter grade on midterm:55
Enter grade on final exam:
```
Program receives midterm and final exam grade using the input of 'main' function.

These grades go to the function 'semesterGrade' and are calculated by the mean calculation to produce the result 'ave'. Afterwards, 'ave' goes to the ceil function and is calculated by rounding calculations to produce the resulting value 'ave2'. "Ave2" goes back to the "semester grade" function and returns "A" for 90 points or more , "B" for 80 points or more, "C" for 70 points or more, "D" for 60 points or more, and "F" for other points by using 'if'.

```
Semester Grade: F
```
The returned results come back to the "print" part of the "main" function, where one of A, B, C, D, and F enters "format" and, consequently, shows performance.