

# 141 – Assignment # 5

1) (From Fall 2019/2020 Midterm):

Write a program that reads the number of elements in a group of integers as long as this number is positive. For each group, the program reads its integer elements, and finds their average.

## Sample Run:

How many elements in the group: 3

Enter 3 integers: 3 -5 10

Average = 2.66

How many elements in the group: 2

Enter 2 integers: 5 8

Average = 6.5

How many elements in the group: -4

Program ended.

2) Write a program that reads an integer N and produces a special triangle as in the sample run. Use only for loops.

## Sample Run:

Enter an integer N:

7

7

6 7

5 6 7

4 5 6 7

3 4 5 6 7

2 3 4 5 6 7

1 2 3 4 5 6 7

2 3 4 5 6 7

3 4 5 6 7

4 5 6 7

5 6 7

6 7

7

3)

Write a program that reads an integer N, the program then reads N Hijri dates (3 integers: day month year) and prints them in the format specified in the sample run.

Use switch statement.

**Sample run:**

Enter N: 2

Enter 2 Hijri dates (day month year):

9 2 1420

Equivalent date: Safar 9, 1420

23 7 1424

Equivalent date: Rajab 23, 1424