FOREACH grade

WRITE prompt for nth grade

READ nth grade

IF nth grade is EQUAL TO A

SET nth grade to 4

ELSE IF nth grade is EQUAL TO B

SET nth grade to 3

ELSE IF nth grade is EQUAL TO C

SET nth grade to 2

ELSE IF nth grade is EQUAL TO D

SET nth grade to 1

ELSE

SET nth grade to 0

END IF

CALCULATE add nth grade to gpa

CALCULATE sum of grades divided by number of grades given (four)

SET GPA to above calculation

IF GPA is greater than or equal to 3.9 THEN

SET summa cum laude to TRUE

ELSE IF GPA is less than 3.9 and greater than or equal to 3.8 THEN

SET magna cum laude to TRUE

ELSE IF GPA is less than 3.8 and greater than or equal to 3.65 THEN

SET cum laude to TRUE

ELSE

SET no honors to TRUE

END IF

WRITE summa cum laude as string  
WRITE magna cum laude as string  
WRITE cum laude as string  
WRITE no honors as string