Question :

Write an algorithm that will count the number of student pass in a class and the amount failed. The pass mark is more than or equal to 65. The algorithm should output the amount fail and passed.
The number of student is unknown, and the program will stop when student enter -1.

Solution :

START

    ask user to enter the number of subjects, and save it as SUB

    set COUNTER to zero

    set SUM to zero

    set PASS to zero

    set FAIL to zero

    ask user to enter the first mark and save it as MARK

    While MARK doesn't equal -1

        While COUNTER is less than SUB

            add MARK to SUM and save it in SUM

            ask user to enter the mark, and save it in MARK

            increment COUNTER

        END While

        divide SUM by SUB and save it in AVG

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        IF AVG is more than 65 THEN

                increment PASS

        ELSE

                increment FAIL

        END IF


        set SUM to zero

        set COUNTER to zero


    END While


    print "The number of passed student is "  PASS

    print "The number of faild student is "  FAIL


END
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