**ALGORITHM Checkpoint7**

**VAR**

countLength : **INTEGER :**= 0;

countVowels : **INTEGER** := 0;

countWords : **INTEGER** := 1;

i : **INTEGER** := 0;

str : **STRING;**

**BEGIN**

**REPEAT**

**WRITE**("Enter a String ");

**READ**(str);

**UNTIL**(str[str.**LENGTH**-1]<>'.')

str = **toUpper** (str);

i:=0;

**WHILE**(str[i]<> '.') DO

countLength := countLength +1 ;

**IF** **(**str[i]='A' **OR** str[i]='E' **OR** str[i]='I' **OR** str[i]='O' **OR** str[i]='U'**)**

**THEN** countVowels:= countVowels+1;

**END\_IF**

**IF** **(**str[i] = ' '**) THEN** countWords:= countWords+1 ;

**END\_IF**

i:=i+1;

**END WHILE**

**WRITE**("Number of characters = ", countLength);

**WRITE**("Number of vowels = ", countVowels);

**WRITE**("Number of words = ", countWords);

**END**