**CHECKPOINT 1**

**EXERCICE 1**

ALGORITHM Compteur mots et voyelles

VAR

compt\_mots,compt\_voy, i : int;

phrase: str;

BEGIN

compt\_mots: =0;

compt\_voy:=0;

FOR i FROM 1 TO phrase.length DO

IF phrase[i] = “u”|| phrase[i] = “i”|| phrase[i] = “o”|| phrase[i] = “a”|| phrase[i] = “e” THEN

compt\_voy ++;

END IF

IF phrase[i] = “ ”THEN

compt\_mots++;

END IF

IF phrase[i] = “.” THEN

STOP;

END IF

END FOR

WRITE (“LA PHRASE COMPTE” ,compt\_mots, “ MOT et ” ,compt\_voy, “ VOYELLES”);

END

**EXERCICE 2**

ALGORITHM Comparaison de deux tableaux

VAR

tab1,tab2 : ARRAY\_OF\_INTEGER;

i: INT;

j:INT;

BEGIN

sum:=0;

FOR i FROM 1 TO tab1.length STEP1 DO

j=1

WHILE( j < tab2.length)

IF (tab1[i]<> tab2 [j]) THEN

sum+=tab1[i];

j++;

END IF

END WHILE

END FOR

FOR j FROM 1 TO tab2.length STEP1 DO

i=1

WHILE( i< tab2.length)

IF (tab1[i]<> tab2 [j]) THEN

sum+=tab2[j];

i++;

END IF

END WHILE

END FOR

WRITE (“LA SOMME DES ÉLÉMENTS DISTINCTS” ,sum);

END