

Institute of Technology of Cambodia



Department of Information and Communication Engineering (GIC)

Assignment1

Lecturer : Bou Channa

Subject : Algorithms and Programming (TD)

Student : Heang Sopagna

ID : e20180259

Group : GIC-A

2020~2021

1) Display a phrase as follows:

Var lastname, firstname: sequence of character

Begin

write("What is your last name?")

read(lastname)

write("What is your first name?")

read(firstname)

write("Welcome", lastname, firstname, "!")

End

2) Display its result

Var num, result: float

Begin

write("Enter a number:")

read(num)

result \leftarrow num \times num

write("The square of", num, "is", result, ".")

End

3) Display their summation, subtract, multiplication and division

Var n1, n2, sum, sub, mul, div: float

Begin

write("Enter the first number:")

read(n1)

write("Enter the second number:")

read(n2)

$sum \leftarrow n1 + n2$

$sub \leftarrow n1 - n2$

$mul \leftarrow n1 \times n2$

$div \leftarrow n1 / n2$

write("The summation of", $n1$, "and", $n2$, "is:",

sum)

write("The subtraction of", $n1$, "and", $n2$,

"is:", sub)

write("The multiplication of", $n1$, "and", $n2$,

"is:", mul)

write("The division of", $n1$, "and", $n2$,

"is:", div)

End

4/ Display this message:

Var dep, last, First: Sequence of character

Begin

write("Enter your department: ")

read(dep)

write("Enter your last name: ")

read(last)

write("Enter your First name: ")

read(First)

write("Welcome to", dep, ", ", last, First, "!")

End

5/ Calculate the surface of triangle and display

Var h, b, surface : float

Begin

write("Enter the hight of triangle : ")

read(h)

write("Enter the base of triangle : ")

read(b)

surface $\leftarrow (b \times h) / 2$

write("The surface of this triangle is ", surface)

End

6/ Calculate its surface using heron Formula.

Var a, b, c, s, q, surface : float

Begin

write("Enter the three number of the lenght of
triangle side : ")

read(a)

read(b)

read(c)

$s \leftarrow (a + b + c) / 2$

$q \leftarrow s \times (s - a) \times (s - b) \times (s - c)$

surface $\leftarrow \text{sqrt}(q)$

write("The surface of this triangle is", surface)

End