Institute of Technology of Cambodia



Information and Communication Engineering (GIC)

Assignment2

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Subject : Algorithms and Programming (TD)

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1) write an algorithm to ask Firstname x lastname From user. Then oup out put.

Var lastname, Firstname, username, underscore, a: Sequence of char.

Begin

write ("Enter your first name:")

read (Firstname)

write ("Enter your last name:")

read (lastname)

string copy (underscore, "-")

string copy (a, Concat (First, underscore))

string copy (username, concat (a, last name))

write ("The username is", username)

End

2) write an algorithm to convert an sinput string

Var input, upper, lower: sequence of character

Begin write ("Enter the string:")

read (input)

string copy (upper, string suppercase (input))

string copy (lower, string slower case (input))

write ("upper, ", " lower)

End

3) write an algorithm to find the length of the input string Var input : sequence of character write ("Enter the string:") read (input) write ("The length of the word \"", input, "\" is", length (input)) Encl 4 write the algorithm to display Vow input: sequence of character a: Interger Begin write (" Enter the word:") read (input) a = Length (input) write ("In word \" "), input, "\", the First character

75 1)", input[0]," I' and the last character

78 \'", input[a-L], "\")

End

5/ Suppose we have a = 50, b = - 50, the what is the Buolean value of each expression below

answer:

A/ a>50, => True

B/ b>=50, > False

c/ a==50 And b==50, => False

2/ a==50 OR b==50, => True

E/ a>50 AND b<0, => True

F/ ago or bgo, => True

G/ a >0 AND b(0, 3) True

HY NOT (NOT (a>50) AND (a>0)) AND NOT (b<0)), & Fake

6/ By taking a look at the ASCII code tables, Answer the question below:

ans wev:

+ The ASCII codes for the latters a,b,c,---, 2 are 97,98,99, ---, 122.

+ The ASCII codes for the latter A,B,C,--, 2 ove 665,66,67,--,90.

The ASCII codes for the numbers 0,2,2,...,9

are 48,49, ---,57.

+ The ASCII codes for these characters é, è, s, É, È are 233, 232, 231, 201, 200.