

friends / whole

Assignment - 2

T. Nikhil Kumar Reddy

192372024

① i) compare two strings lexicographically

Sol. Start

Input String 1

Input String 2

Convert String 1 to lowercase

convert String 2 to lowercase

if String 1 equals String 2

print "Both strings are equal"

else if String 1 comes before String 2

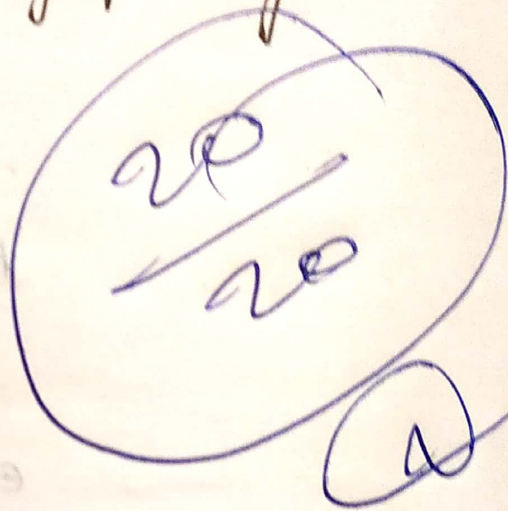
print "String 1 is smaller"

else

print "String 1 is greater"

End if

stop



ii) Check whether a string ends with another string

Start
input mainString
input subString
if mainString ends with subString
 print "yes, it ends with given String"
else
 print "No, it does not end"
end if
stop

iii) print current Date and time
start
Get current date and time
Define format (for example: dd-MM-yyyy HH:mm:ss)
Display date and time in that format
stop

iv) Get index of All Characters of Alphabet (a-z)
start
set S = "The quick brown fox jumps over the lazy dog"
for each letter from 'a' to 'z'
 Find index of that letter in S (ignore case)
 print letter and its index
end for
stop

v) Replace substring using Regular Expression
start
set S = "The quick brown fox jumps over the lazy dog"
Replace all occurrences of "fox" with "cat"

Stop

vi) Get Substring B/w Two positions

Start

Input string s

Input start position

Input end position

Extract substring from start to end-1

print substring

stop

vii) Trim leading and Trailing spaces

Start

Input string s

Remove space from beginning and end

print trimmed string

stop

viii) Convert string to lowercase

Start

Input string s

convert s to lowercase

print s

stop

ix) Get length of string

Start

Input string s

find number of characters in s

print length

stop

x) Check whether Two string objects contain

Start

input string1

input string2

if string1 equals string2

print "Both contain same data"

else

print "Data is different"

end if

stop

② Hospital Management System using Arraylist

Sol:- START

create ArrayList patients

while true

Display menu:

1. Register patient
2. Update patient
3. Display patients
4. Remove Inactive patients
5. Exit

Read choice

if choice = 1 then

create new patient object

Input name, age, sex, address, illness, Charges,
admissionDays

Add patient to patients list

print "patient Registered Successfully"

else if choice = 2 then

Input patient name to update

for each patient in patients

if name matches then

update age, address, illness, charges, admission days

print "patient updated"

end if

end for

else if choice = 3 then

for each patient in patients

print name, age, sex, address, illness, charges, admission days

end for

else if choice = 4 then

for each patient in patients

if admission days > 15 then

remove patient from list

print "Inactive patient removed"

end if

end for

else if choice = 5 then

break

else

print "Invalid choice"

end while

stop