DAY6:

-----

1.String functions

2.Literal String

3.Non Literal String

4.Mutable String

5.ImMutable String

QUESTIONS(Theory)

-------------------

1.What is mean by string?

2.How to find length of the string?

3.How to find partcular character in string?

4.How to split the string?

5.What is difference between literal String and non literal string?

6.What is mutable and immutable string?

7.Difference between stringbulider and stringbuffer?

8.Method name to identify memory location?

9.What are the string functions available in java?

10.What is difference between charAt() and contains() method?

11.What is the return type of compareTo()

12.Where the Literal String and non literal String stores?

13.What is mean by ASCII value?

QUESTIONS(Programs)

------------------------------

QUESTION 1:

-----------

Description: Find the length of the below string

String 1: GreensTechnology

String 2: SeleniumAutomationtool

String 3: velmurugan

String 4: j a v a p r o g r a m

String 5: 9095484678

QUESTION 2:

-----------

Description: Find the particular character index in the given string

String 1: GreensTechnology

Find the last index of o

String 2: SeleniumAutomationtool

Find the index of o

String 3: Velmurugan

Find the index of n

String 4: j a v a p r o g r a m

Find the last index of (emptyspace)

String 5: 9095484678

Find the index of 8

Question 3:

-----------

Description: Find the particular character in the given string

String 1: GreensTechnology

print the character h

String 2: SeleniumAutomationtool

print the character o

String 3: velmurugan

print the character u

String 4: j a v a p r o g r a m

print the character p

String 5: 9095484678

print the character 7

QUESTION 4:

-----------

Description : Get two input from user and check the equality

: print in the output whether it is Equal or not

Example:

--------

Input :

String 1 : Java

String 2 : Java

Example:

---------

Input :

String 1 : Java

String 2 : java

Example:

---------

Input :

String 1 : Green Technology

String 2 : GreenTechnology.

Example(use equalsIgnoreCase):

---------

Input :

String 1 : Java

String 2 : java

Example(use equalsIgnoreCase) :

---------

Input :

String 1 : Nisha

String 2 : nisha

QUESTION 5:

------------

QUESTION 5.1:

------------

Description: Get the email id from the user and verify '@' is present or not?

Example:

------------

Input = velmurugank451@gmail.com

Output = valid email id

QUESTION 5.2:

------------

Description:Get the address from the user and verify "pincode" is present or not?

Example:

------------

Input = 5-35-2a,venkatesh nivas,Aruppukottai

Output = invalid address

QUESTION 5.3:

------------

Description:Get the email from the user and verify '@' is present or not and return true or false?

Example:

------------

Input = Nishakerala24@gmail.com

Output = True/False

QUESTION 5.4:

------------

Description:Get the phonenumber from the user and verify any character is present or not .

If character is present return invalid number

Example:

------------

Input = 90954a6o78

Output = False

QUESTION 6:

-----------

Description:Get the phonenumber from the user .

If phonenumber exceeds greater than 10 then return invalid number

Example:

--------

Input = 89034256972365

output = invalid

Example 2:

---------

Input = 9095484678

Output = valid

QUESTION 7:

------------

QUESTION 7.1:

-------------

Description:Given string as "Welcome to java class" and replace java into sql.

Example:

-----------

Input = Welcome to class java

output = Welcome to class sql

QUESTION 7.2:

-------------

Description:Given string as "Greens Adayar"and replace Adayar into Omr.

Example:

-----------

Input = Greens Adayar

Output = Greens Omr

QUESTION 7.3:

-------------

Description: Given String as "Welcome to java class" and Replace space into '#'

Example:

----------

input:Welcome to java class

output:Welcome#to#java#class

QUESTION 7.4:

------------

Description:Get the email from the user and verify "gmail" is present or not.

If present replace that gmail into yahoo

Example:

------------

Input = Nishakerala24@gmail.com

Output = Nishakerala24@yahoo.com

QUESTION 7.5:

------------

Description:Get the address from the user and verify "pincode" is present or not.

If present replce the pincode with empty space

Example:

------------

Input = 5-35-2a,venkatesh nivas,Aruppukottai,pincode-626101

Output = 5-35-2a,venkatesh nivas,Aruppukottai

QUESTION 8

----------

QUESTION 8.1

-------------

Description:Get the input from the user and print that word in lowercase

Example:

--------

Input = NISHANTHI

Output = nishanthi

QUESTION 8.2

-------------

Description:Get the input from the user and print that word in Uppercase

Example:

--------

Input = nishanthi

Output = NISHANTHI

QUESTION 8.3

---------------

Description:Convert all small letter and into capital letter

Example:

----------

Input = WelcomE

Output = wELCOMe

QUESTION 8.4

--------------

Description:Find the number of uppercase count and lowercase count in the given String

Example:

--------

Input = WelComeToJava

Output:

-------

UpperCase=4

LowerCase=9

QUESTION 9

------------

QUESTION 9.1

--------------

Description: Given String as "Welcome to java class" and verify whether the given string startsWith welcome

Example:

-----------

Input = Welcome to class java

output = True

QUESTION 9.2

--------------

Description: Given String as "Hai i am nisha" and verify whether the given string startsWith welcome

Example:

-----------

Input = Hai i am nisha

output = False

QUESTION 9.3

--------------

Description: Given String as "Welcome to java class" and verify whether the given string endsWith class

Example:

-----------

Input = Welcome to java class

output = True

QUESTION 9.4

--------------

Description: Given String as "Welcome to java class" and verify whether the given string endsWith java

Example:

-----------

Input = Welcome to java class

output = False

QUESTION 9.5

--------------

Description: Given String as "Welcome to java class" and verify whether the string is empty or not

Example:

-----------

Input = Welcome to java class

output = False

QUESTION 9.6

--------------

Description: Given String as "" and verify whether the string is empty or not

Example:

-----------

Input = ""

Output = False

QUESTION 10

-----------

Description : Get two input from user and Compare

Example

---------

String 1 : Nisha

String 2 : nisha

Example

---------

String 1 : Nia

String 2 : nisha

QUESTION 11

------------

QUESTION 11.1

---------------

Description : Generate the two literal string and find the identityHashCose()

Example

---------

String 1 : Nisha

String 2 : Nisha

QUESTION 11.2

---------------

Description : Generate the two non literal string and find the identityHashCose()

Example

---------

String 1 : Nisha

String 2 : Nisha

QUESTION 11.3

---------------

Description : Generate the three non literal string and find the identityHashCose()

Example

---------

String 1 : Nisha

String 2 : Rengan

String 3 : NishaRengan

QUESTION 11.4

---------------

Description : Generate the three literal string and find the identityHashCose()

Example

---------

String 1 : Nisha

String 2 : Rengan

String 3 : NishaRengan

QUESTION 12

------------

QUESTION 12.1

--------------

Description: Given String as "Welcome to java class" and split it by space.

Example:

--------

Input :Welcome to java class

Output:

-------

Welcome

to

java

class

QUESTION 12.2

--------------

Description: Given String as "Welcome to java class" and split it by l

Example:

--------

Input :Welcome to java class

Output:

-------

We

come to java c

ass

QUESTION 13

------------

QUESTION 13.1

--------------

Description: Given String as "Welcome to java class" and generate a substring.

Example:

--------

Input :Welcome to java class

Output:

-------

Welcome

QUESTION 14

-----------

Example:

-----------

Description: Given String as "Welcome" and the number of consonant count and vowels count

Example:

---------

Input = Welcome

output:

-------

vowels = 3

consonant = 4

QUESTION 15:

------------

Description: Find the count of caps,small,number and special character in given string

Example:

-----------

Input : Welcome To Java class @123

Output

------

caps count :3

small count :15

number count:3

Special char:5

QUESTION 16

------------

Description: Replace all vowels char into '@'

Example:

----------

Input = Welcome

Output = W@lc@m@