

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 particular 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 stringbuilder 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 identityHashCode()

Example

String 1 : Nisha
String 2 : Nisha

QUESTION 11.2

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

Example

String 1 : Nisha
String 2 : Nisha

QUESTION 11.3

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

Example

String 1 : Nisha
String 2 : Rengan
String 3 : NishaRengan

QUESTION 11.4

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

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 1

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@