	Date : Page No. :
	Practical No. 1
*	What do the following string methods do? · lower. · count · replace
Ans-	a) Lower function Lower function will convert the given string in small letter.
	a = "Hello, World!" print (a. lower()) Output:
	b) count function count method returns an integer that denotes
	string. a = "Hello, World! Hello, Rython"
	print (a. count ("Hello")) Output: 2

c) replace function The replace method replaces a string with another string. a = "Helle, World!" print (a. replace ("H", "J")) Dutput: Telle, World!	Date : Page No.: 2
print (a. replace ("H", "J")) Output:	c) replace function
print (a. replace ("H", "J")) Output:	with another string.
Dutput:	
Output: Tello, World!	print (a. replace ("H", "J"))
gette, Weald!	Output:
	dello, World!

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1	
	Practical No. 2
	Practical No. 2
	in the herform each of the steps
	Write instructions to perform each of the steps
	Create a string containing atleast five words and store it in a variable.
(q)	Create a string congaining and
	Store it in a richable.
(b)	Print out the string. Convert the string to a list of words wing the
(c)	Convert the string is
	string split method. Sort the list into reverse alphabetical order
(d`)	Sont the list mistage.
	using some of the list methods.
(e)	Print out the sorted, reversed list of words.
Answer:	die die tolle time words
	# creating string to stoke five words
	a = Apple, Change, Darwing,
	# printing string.
E	print(a)
	# splitting the string b = a.split(",")
	b = a. split ()
	# printing splitted string
	print (b)
	# sorting the UST in reverse accuse
	# printing splitted string print(b) # sorting the list in reverse order b. sort (reverse = True)
	# phinting the revense and
	print(b)

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Output:

Apple, Drange, Banana, Mango, Grapes L'Apple', 'Drange', 'Banana', Mango', Grapes'] L'Orange', Mango's 'Grapes', Banana', Apple']

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Practical No. 3

* Write a program that determines whether the number is prime.

Answer:

to check whether a number is prime no. or not prime no.

n= int (input ("Enter a number"))

1=2

whole (K<n):

if (n'/ok) == 0:

print (n, " is not a prime no")

N= r+1

if (n== h);

print (n, "is a prime no")

P Output

Output:

Enter a number 8

8 is not a prime no

Enter a number 7 7 is a prime no

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T	. 0		14
tha	ctical	No.	4

* Find all numbers which are multiple of 17, but not multiple of 5, between 2000 and 2500.

Answer:

numbers which are multiple of 17, but not the

#multiple of 5, between 2000 and 2500

print ("nymbers multiple of 17, but not multiple of 5,

between 2000 and 2500 11)

for 1 in range (2000, 2501):

if (i% |7 ==0) and (not (i% 5 ==0):

point (i)

Dutput:

between 2000 and 2500

2006 2227 2431

2023 2244 2448 2057 2261 2482

2074 2278 2499

2091 2312

2108 2329

2142 2346

2159 2363

2176 2397

Practical No. 5

Output:

enter a no 5
enter 2nd no 6
Swapped value of a = 6
Swapped value of b = 5
Verifying the result
enter a no 5
enter 2nd no 6
Swapped value of a = 6
Swapped value of b = 5

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	Practical No. 5
*	Suxp two integer numbers using a temporary variable. Repeat the exercise using the code format: a,b = b,a. Verify your results in both the cases.
swer:	a = int (input (" enter a no"))
	b = int (input (" enter 2nd no"))
	a=b
	print (" Swapped value of a = ",a)
,	print (" Swapped value of b= ,b)
	print (" Verifying the result") a = int Cinput ("enter a no")
	b= int (input ("enter 2nd no"))
	print ["Swapped value of a = ", a)
	print ("Swapped value of a = ", a) print ("Swapped value of b = ", b)

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Tha	ctical	100	U

* Find the largest of n numbers, using a user defined function largest ().

Answer!

def largest (arr, n):

max = arr [0]

for i in range (1, n): if (art [i] > max);

max = ann[i]

ann = [10, 324, 45, 90, 9808]

n = len(arr)

Ans = largest (arr, n)

print ("largest in given array is", Ans)

Output: Largest in given array is 9808.

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Practical No. 7

* Write a function my Reverse () which receives a string as an input and returns the reverse of the string. Check if a given string is palindrome

Answer:

def my Reverse (s): seturn s[::-1]

det is Palindrome (S):

rev = myReverse (s) if (s == rev):

S = input (" Enter name")

ans = is Palindrone (s)

print ("No")

Dutput:

Enter Name Vitin

	Date:	
	Page No.: 10	
	Practical No. 8	gui-relate
upperprisent out with the separal Firms of day with		No. of Street
***************************************	WAP to convert Celsius to Fahrenheit	gargine Room
Answer:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
	celsius o just (input ("Enter the temperature in celcius:"),	1
^	f = (celsius * 1.8) + 32 print ("Temperature is forentient is:", f)	and reality
	proved (remperculars is formation)	
		-
	Output:	-
	•	
	Enter the temperature in celsius: 32	
	Enter the temperature in celsius: 32 Temperature in farenheit is: 89.6	
_		
7		
	,	
		-

	D	ite:	
All and the second seco	Pa	ge No.: 11.	
	Practical No. 9		==
	Find the ASCII value of characters.		
Λ			
Angwer:	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	print ("Enter a character;") print ("The ASCII value of "+ c + ""	1, 2° = 1/01]	
_	point (The ASCH Valle of + C+	10 , cod(c))	
	Output:		
	Enter a character: A		
	The ASCII value of 'A' is 65		
	U		
			-
			_
	9	· · · · · · · · · · · · · · · · · · ·	
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		and the second way is the second of the seco	

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	Practical No. 10		
	WAP for simple calculator.		
Anywer:			
	det add (x,y):		_
	det add (x,y):	3 107	
<u> </u>	return X + Y		
	det subtract (x, y):	77 22 23	_
	This function subtracts two number	sens	
	hetern X-y		_
	def multiply (x,y): "This function multiplies two numb	. 11 27 1)	
	This function multiplies two numb	ens	
	det divide (x,y): This function divides two number		_
	det divide (x,y):	>> >> >1 >>	
	Thy function divides two humble	<i>\\</i> S	
	return x/9		
	# take input from the user		_
	print (" select operation?")		
	print (" 1. Add")		
	print ("2. Subtract") print ("3. Multiply")		
	print ("4. Divide")		
	choice = input (" Enter choice (1/2/3/4):")		
	went = int Circulat MEnter First number ? "))	
	num2 = int (input (" Enter second number	: ' ?))	
	18 1 2 - 619:		

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print (num1, "+", num2, "=", add (num1, num2)) elif choice == '2' print (num1, "-", num2, "=", subtract (num1, num2)) elif choice == 13': print (num1, " * ", num2, " = ", multiply (num1, num2)) elif choice == "" print (mm 1, "/", num2, "=", divide (num 1, num2)) olse: print ("Invalid input") Dutput: 'Select operation: 2. Subtract 3. Multiply 4. Divide Enter choice (1/2/3/4): 1 Enter first number: 2 Enter second number: 3

2 + 3 = 5