	practical-1
@1	Write a program to design and develop a python
	program to implement various Control Stevement using
	Buitable Example
A)	Write a program to Cheek whether an alphabet is a
	Yourd or Consonant
	in the second se
	letter = Input ("Input a letter of the alphabet")
	if letter in ('a', 'e', (i', 'a'):
	print ("%s is a vowel" % (effer)
	elif letter = = 'y'!
	print ("Sometimes letter y Otends for Yowel and
3 + ¥	Sometimes Stands for Consonant")
	relection and continues and continues and
, - <u>.</u>	print (" Yas is Consonant " Y. (etter)
15 B	the server of th
	Output ?-
	input a lettor of the alphabet K
	kis Consomant.

(1) wife a python program to find those number which the are divisble by 7 and multiple of 5 - b/w 1500 and 2700

n=[]

for i in range (1500,2700).

if (1707==0) and (17x7==0):

n. append (str(1)).

print (','.jain (n'))

Output:

1505, 1540, 1575, 1610, 1645, 1680, 1715, 1750, 1785, 1820, 1855, 1890, 1925, 1960, 1995, 2085, 2100, 2135, 2170, 2205, 2240, 2275, 2310, 2345, 2380, 2415, 2450, 2485, 2520, 2555, 2590, 2625, 2660,2695.

Practical-2 Write a programi in puthon to define and all Call Fonetion for Suitable problem A) def outer fun (a,b): Square = 9**2: (-oil , moi) acidomidai lie print ("Square is ", Square de me: ") def addition (9,b): vietum add + 5 result = outer-fun (5,10) point ("the wesult is: In", wesult) information (Hack 732, Many & Well 19) Output & Square is 25 The Result is:

Practical-3 Write a python program of different types of Function argument # Function defination (do) and roturn def information (Name, Age)! print ("Name", Name) print ("Age", Age) vietum # Calling out the function information (Age = 32, Name = "Atul") Output Name Atul Age 32

```
DATE:
default argument
# Function defination
  det information (name, age = 32):
print ('Name', name)
        print ("Age", age)
          return
It can function information
 information (age = 35, name = "Gayatri")
information (name = "Atul")
Output!
Mame Gayatri
Age 35
Mame Atul
Age 32
```

def greet (*names):

for name in names:

print ("Good Morning", name)

greet ("A tharv", "Daniel", "Yash", "Aayush")

Output

Good Morning Atharv

Good Morning Daniel

Aood Morning Payush

Aood Morning Payush

		Page	CALL TO SAME A LANGE AND A LAN	
	practical - 4	Date:	1 1	
7 A 11 - 2 1				
	Aim! Write a python programme to presidence and associativity of apend	deman	strate +	ho.
	presidence and associativity of apen	ators.		1 1 1
			- 10-10 - 1)2 1 ·
4. A	Demonstrate Operator presidence			
	n = 10			
	y=5 c= n*y* (n+y)			
	print (c)			
	output: 750			
4:B	Demonstrate left-right associativity			
	print (8* 2//3)			
	print (8 * (2/13))			
	output! 5			
=				
4:07	Demonstrate right - left associationit			
	1330019	9		
	sin+ ("2* "4 * 2)	-		
m pri	5n+ ((2x x 4) x x 2)		,	
	0 - 0 - 1			
Jouly				
	256			

	Proctical -5 Date: / /
	Write Quitable python programme to impliment recursion from problems Such as factorial Fibonacci Series
5.A	
	Input! def recur-factorial (n): if n==1:
policies !	else!
-	num = int (input ("Enter the No. to find factorial")) if num to!
	print ("sorry, factorial does not enist for negative No. elif num == 0:
	print ("Factorial of O is 1") else: print ("factorial of ", num;" is", recur_factorial (num))
	Output:
	Enten the No. to Find Factorial 5 Factorial of 5 is 120

	Page
7, 3	Date: / /
S.B	Fibonacci Series.
	The best of the commence of the throught and the
1	def secur_fibo (n):
	if n<=1:
L. L.	zetum n
	else:
	return (recur fibo (n-1) + recur fibo (n-2))
	n = int (input ("Enter the number!"))
Beiling	if n <=0
	print ("please enter a positive number.")
	plse:
	print ("Fibonacci Sequence")
	for i in range (n)! print (recur-fibo (i))
	Output!
	Enter the Number: 6
	Fibonacci Sequence
	0
-	,
	2
	3
	5

	Practical-6 Date: //
417.4	Write a python programme to implement and use lambdo function in python
G. A	programme for Oquare using Cambda Function
	Input!
	Square = lambda q: a*q
A Control of the Cont	num = int (input ("Enter the number"))
	result = Square (num)
	print (" square of number is", result)
	Output:
	Enter the number 3
	Square of Number is 9

	Date: / /
G.B	programme to find Square, Cube and Square root wing lambde function.
	import math
	def my fun(n);
	setum lambde a! math. pow (a,n)
	Square = my-fun(2)
	Cube = myfun (3)
The same of the sa	Square root = my fun (0.5)
	num = int (input ("Enter the Number"))
	print (Cube (num))
	print (Square root (num))
	output:
	Enter the Number 9
	81.0
	729.0
	3.0

	proctical -7 Date: / /
-	
•	Write a python program to Create and manipluate array in
	python also demonstate the use of Silicing and indexing
	for accessing elements from the array
	Import numpy as np
	n=np.reshape (np.arange (16), (4,4))
	print ("original arrays")
	print(n)
	print ("Sliced element")
	nesult = n[[0,1,2], [0,1,3]]
	print (viesult)
	Output
	Original arrays
	[[0 1 2 3]
	[4567]
	[89101]
	[12 13 14 15]
\dashv	Sliced element
-	[051]
- 11	

Output 8 - lositoria Element of list 1 ['red', green, blue', black, white]

Element of list 2: [14,12, 13]

Element of list 2: [14,12, 13]

Element of list 2: [14,12, 13] Length of list1 is 5 length after odding elements : [sed , green; pink, blue , black, white] [sed, green, pink, blue, black white, yellow)]. Estail of the appendix [sed, green, pink, blue, black Sorted list 2 ([121913, 14] till to though a soll) tring . List 1 after removing elements suit Fredis grééni, pink's black' Ditail. print from begining to end index interioride green, print from begining to end index: [pinkting black]
Reverse list 1 is: Tolyellow's white, black's pink's

green', red' (suit) womes head print after extend aperation (if yellow), this hite? blacket i pinike, green, sedin 12, 113; 147 mg (Epic) from Explains to end inder", liet ? [sig]

-	Гаус
A COMPANY OF THE PARTY OF	practical-9 Date: 11
4	Practical 2
7	write a program to implement tuple in python demostrate
<i>()</i>	various operation on it
_	t= (1,2,3,4,5)
_	print ("The value in tuple one", t)
	t = t + (7)
_	print ("The value Tuple often adding elements!", t)
_	print ("Tuple after Olice!", t[2:4])
_	point (" multiplication!", (t*2))
_	print ("The length of tuple is:", len(t))
	point ("The maximum value of tuple is!", max(t))
_	print ("The minimum value of tuple is!", min(t))
_	del t
_	print ("Tuple deleted")
	Output
_	Output
	The Value in Tuple are (1,2,3,4,5)
	Tuple after adding elements: 1,2,3,4,5,7
	Tuple after Slice: 3,4
_	Multiplication: (1,2,3,4,5,7,1;2,3,4,5,7)
2)	The length of tuple is ! 6
	The maximum value of tuple is: 7
	The minimum value of tuple is! 7
	Tuple deleted

practical-10 Date: 1	
VIII TO THE TOTAL THE TENT OF	n
python demostrate Various operations on it	
my dictionary = {	
a': 65	
'b' '66'	
'c': '67'	
print (type (my dictionary))	
print (mydictionary)	
my dictionary ['a']= 68'	
my dictionary ('e') = 69'	
my dictionary (f) = 70)	
print ("Dictionary after adding items:", mydictionary)	
length = den (mydictionary)	
print ("length of dictionary is!", length)	
For key in my dictionary:	
print ("key!", key)	
for key, value in my dictionary oitems ()!	
print ("Values!", Value)	
my dictionary. Clear	
print (mydictionary)	

Date:

Output < class 'dict'> 1 65, 65', 66'; 662, 6': 67'? Dictionary after adding items! & 6': 65', 'b'! 66', c': 67', d': 68', 'e': 69', 'f': 70'? length of dictionary : 6 Keys: 9 Keys ! b Keys : C Sprendichlerin one) Fin Keys ! d (predoid sife or) take Keys! e Keys ! + The Eligiper problem par Values: 65 to - Calleton Elector mail ice - [1] promotisie pun Values: 66 Values 167. Counting the property of the property of the Values: 68 Terrono do deprin huala a deponsi Values: 69 is manipipale to deposit the had Values: 70 Promotion in the distance rein lien; They