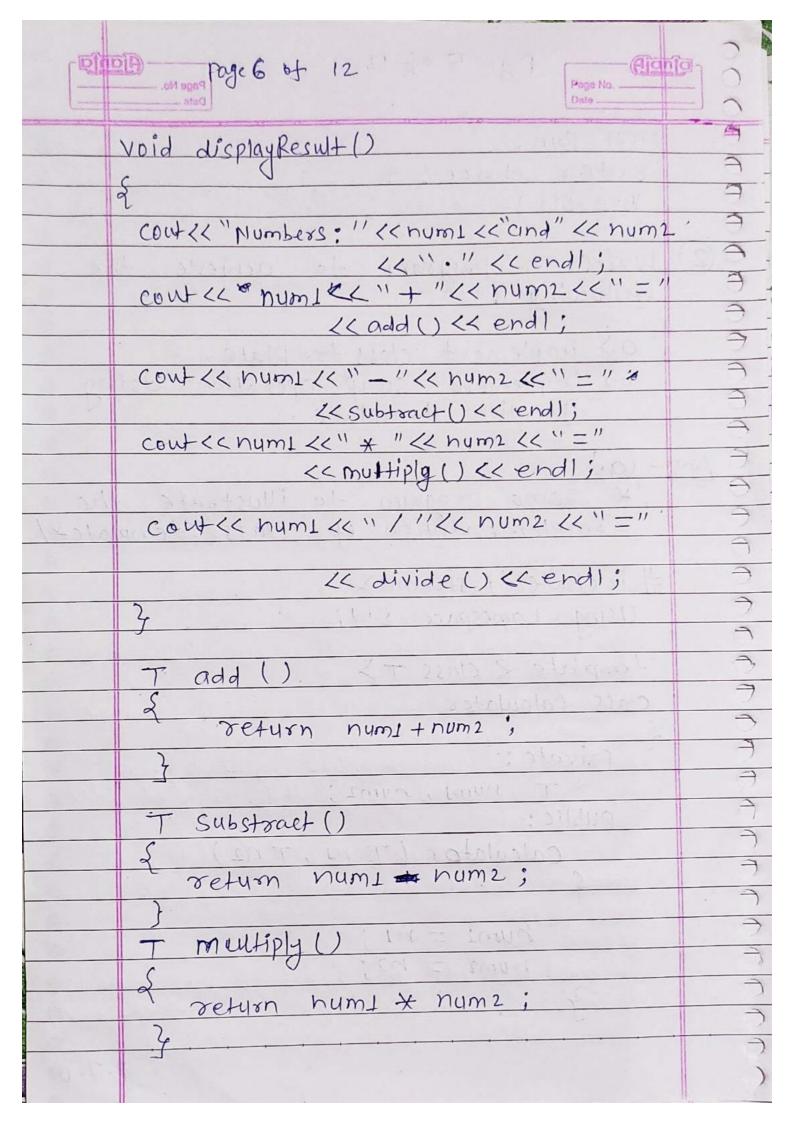
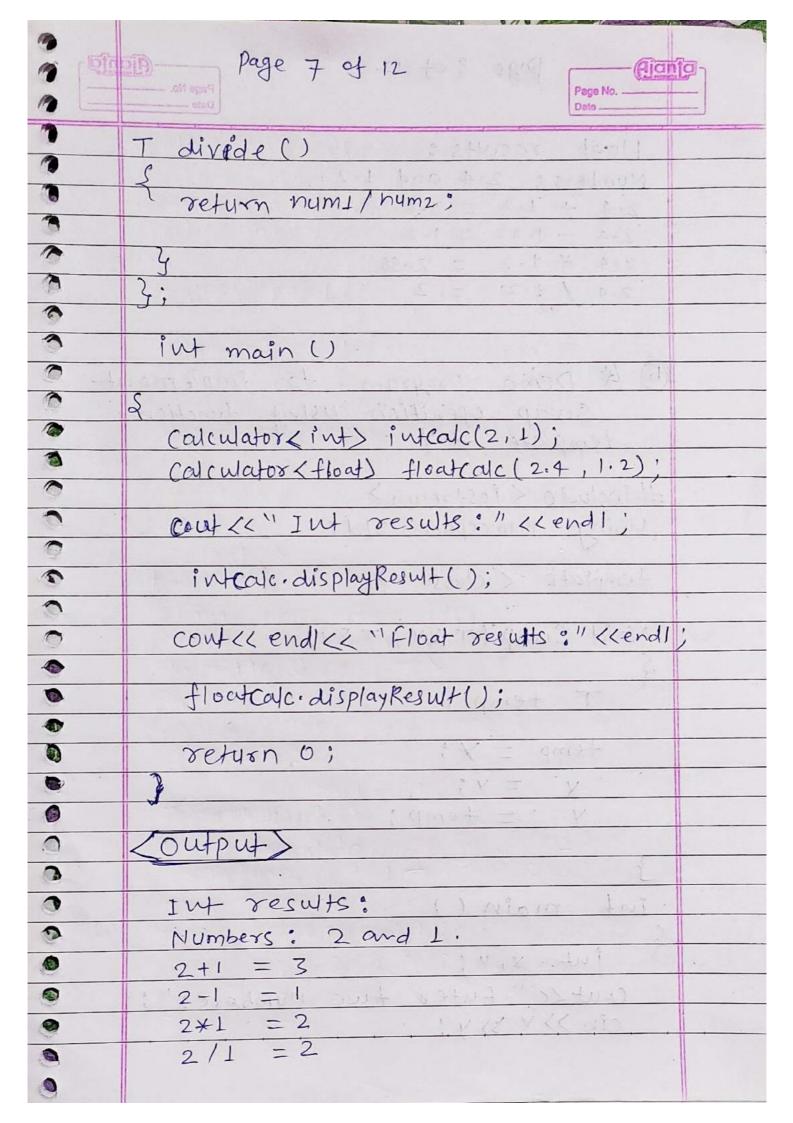
Page No	
Assignmen 3	
CAP: 444	7
Course Title: C++ Theory	
Name: Tayshni Lal Pandit	0
ROII NO.: RD2112 A103	7
Reg No.: 12111670	0
Reg 110, 12111670	5
	0
	7
	Ú.
	0
	7
	2
)
	7
	0
)
	3

0





	OM spaffage 10 of 12 Page No. Data	000			
Ans:-	> we we a recursive template function	9			
	to iterate over all the parameters	9			
	one by one. A template function	7			
	that allows an arbitarary number.				
	of arguments of a few different				
	types conich will be processed one	7			
	by one sequentially.	<u> </u>			
		7			
	It Demo program to illustrate use				
	of template function to recursively	1			
	colourate the sum of the first in	5			
	elements X1	9			
	# Include < Postream)	9			
	Using hamespace Std;	→			
	template < class T>	7			
5 3 13 3	T RSum (T aCJ, int n)	9			
	5	->			
	A MARTINE TO LISE TO LIKE A	7			
	if (h<=0)	9			
	5	9			
TAIR !	returno;	9			
	After Funchers Templately	-			
	else os a 21 autor vi	7			
	S. 01:21. INDICT	7			
	return Rsym(a,n-1) + a [n-1];)			
(dice)	(3) Discuss recurrences with template in	<u></u>			
101	dans difference between least	7			
	int main ()	7			
	g	2			
)			

	Page 11 of 1	Pags No Dets -		
	float and a[1= {1,2,3,0,6,5,4}	-)	
9	La sestant , the	a sanga sa sisana		
0	cout << Rsum (a,-2) << end);			
	cout << Rsum (a.5) << end1;			
0	cont << Rsum (a,6) << end1;			
0	Light College Strategy (1991), estimated the decay for			
•	return 0;	THE WALL THEFT		
0				
	4			
	And Antanie (a)			
6	(Output)	Jenacos & Cat. July 201		
	0	Later of the later		
	112	Mari Mari		
	17	(4.1		
	a tolerate qualitation.	CA Carrey made and		
A THE	1 also addition and also	1 0 ,	r	
0	Deffirence between	macro and funct	on	
•	Maero	Templates		
0	1 lac 8 D	emplares		
•	(L.) Macro is	(1) Template is com	oiled.	
0		er rampial is com	1100	
•	Preprocessed.			
0	(2) Maero can be	(2) Tephate is als	o Can	
0	argumented.	be organeuted		
	Weggisserved			
•	(3) In macro we	(3) In template u	e	
0	can pass orguments	can pass curquime	uts	
0	one type.	can pass curgume different type.		
2		0'		
0				
0			P.T.O	
0				

TOTAL T