## **Tutorial Sheet: Recursion**

	numbers using recursion.
Q1. Write a program to find the factorial of a	Sample Input :
number using recursion.	30 35
Sample Input :	Sample Output :
5	5
Sample Output :	
120	Q9. Write a C++ program to compute Decimal
	equivalent of a Binary Number (represented as
Q2. Write a program to check if the given number is	decimal integer).
palindrome or not.	Sample Input :
Sample Input:	1010
121	Sample Output :
Sample Output :	10
Palindrome	
	Q10. Write a C++ program to convert decimal
Q3. Define a function mult(m, n) to find the product	number to binary number using recursion.
of two numbers using recursive addition.	Sample Input:
Sample Input:	10
5	Sample Output :
2	1010
Sample Output :	1010
10	O11 Write a Culturagram to find may of an array
10	Q11. Write a C++ program to find max of an array
OA Milita a City management a comparts of	using recursion.
Q4. Write a C++ program to compute a using	Sample Input :
recursion.	5 10 20 25 12 3
Sample Input: 4 2	
	Sample Output:
Sample Output:	25
10	042 W. 11 - 12 - 13 - 14 - 14 - 14 - 14 - 14 - 14 - 14
05 W 11 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Q12. Write a C++ program to find sum of an array
Q5. Write a C++ program to compute sum of digits	using recursion.
of a number using recursion.	Sample Input:
Sample Input:	AM 5
1452	12345
Sample Output :	Sample Output :
12	15
Q6. Write a C++ program to reverse the digits of a	Q13. Write a program to reverse an array using
number using recursion.	recursion.
Sample Input :	Sample Input :
1452	5
Sample Output :	12345
2541	Sample Output :
	54321
Q7. Write a program to find the nth number in	
fibonacci series using recursion.	
Sample Input:	
6	
Sample Output :	
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Q8. Write a C++ program to compute GCD of two