Name:	SRN:	Section:
	Date:	Week Number:

1	**Write a program to calculate the grade of the student according to the specified marks.**
	Grade A:Marks(>85 and <=100)
	Grade B:Marks(>60 and <=85)
	Grade C:Marks(>40 and <=60)
	Grade D:Marks(>30 and <=40)
	Fail: Marks(<30)
	Sample Input:
	Enter your marks:60
	Sample Output:
	You got grade C
	Program:
	Output Screenshot:
2	**Write a Program to convert all characters in a given line from lower case to upper case.**
	Sample Input:
	Enter characters to convert case
	I am student of 2nd Semester!
	Sample Output:
	I AM STUDENT OF 2ND SEMESTER!
	Program:
	Output Screenshot:

3	**Write a C program using bitwise operators for the following:**
	i) check whether specified bit is set or not
	ii) set the specified bit and print the result
	iii) clear the specified bit and print the result
	Sample Input/Output:
	Enter the number which you want check
	25
	Input number is 25
	Enter the bit position, starts from zero
	2
	bit is not set
	Enter the bit position, which you want to set
	4
	set : 16
	The number after set is 25
	Enter the bit position, which bit you want to clear
	3
	set : 0
	The number after clear is 17
	Program:
	Output Screenshot:

4	a)Write a program to generate a multiplication table using for loop
	b)Write a program to print the following pattern
	*
	* *
	* * *
	* * * *
	* * * * *
	Program:
	Output Screenshot:
5	Write a program to implement a Simple Calculator using switch Statement
	Sample input:
	Enter an operator (+, -, *,): +
	Enter two operands: 3 4
	Sample Output:
	3.0 + 4.0 = 7.0
	Sample input:
	Enter an operator (+, -, *,): -
	Enter two operands: 7 6
	Sample Output:
	7.0 - 6.0 = 1.0

	Program:
	Output Screenshot:
6	**Write a program to validate a given date and find the next date** **Sample input:** Enter the date 12 Enter the month 12 Enter the year 2000 **Sample Output:** Date is valid & next date is: 13/12/2000 **Sample input:** Enter the date 1 Enter the month 13 Enter the year 2000 **Sample Output:** Month is invalid
	Program:
	Output Screenshot:

1	**Practice Programs** **Write a program to find the roots of a quadratic equation.** **Sample Input:** Enter coefficients a, b and c: 1 2 1 **Sample Output:** root1 = root2 = -1.00; **Sample Input:** Enter coefficients a, b and c: 1 3 1 **Sample Output:** root1 = -0.38 and root2 = -2.62 **Sample Input:** Enter coefficients a, b and c: 2 2 1 **Sample Output:** root1 = -0.50+0.50i and root2 = -0.50-0.50i
	Program:
	Output Screenshot:
2	**Write a program to squeeze repeated characters by inputting the characters in the given order.** **Sample Input:** aaaaabbbbbccccddddeeee **Sample Output:** abcde **Sample Input:** aaa1111gggg3333

	Sample Output: a1g3
	Program:
	Output Screenshot: