TOPIC: FLOW OF CONTROL- IF STATEMENTS

1.	**Write a program to input a year in 4-digit form and check whether it is a leap year or not and display proper message.**
2.	**Write a program to input a character. If it is lowercase letter, convert it to uppercase and vice versa.**
3.	**Write a program to input co-efficients of a, b and c of a quadratic equation $ax^2 + bx + c = 0$,where a = 0. Discriminant, $D = b^2 - 4ac$.If discriminant is 0 then print there is exactly one real root, if discriminant is positive then print there are two distinct roots, if discriminant is negative then print then there are no real roots.**

4.	**Write a program calculate commission for the salesman. The commission is calculated as follows:**
	
	    Sales Commission Rate
	    30001 onwards 15%
	    22001 - 30000 10%
	    12001 – 22000 7 %
	    5001 – 12000 3%
	     0 - 5000 0%

5.	**Write program to a character and check whether it is a vowel or not and display proper message.**
6.	**Write a program to input two numbers and check whether both are divisible by 5.**
7.	**Write a program to input the name, subject, salary and experience(in years) of a teacher. An allowance is given according to the following condition:** **If salary >10,000 or experience > 10 years, allowance is 20% of salary.** **If salary is in the range 5000-10000 and experience >5years, allowance is 15% of salary.** **Otherwise if salary >3000, allowance is 10%.** **Otherwise if salary <3000, allowance is 6%.** **Find the total salary (salary+allowance) and print it along with other details.**