

PSCP LAB ASSIGNMENT 3

1.	Write a C++ program to take the month in number and print the name of the month.
2.	<p>Any character is entered through the keyboard, write a program to determine whether the character entered is a capital letter, a small case letter, a digit or a special symbol.</p> <p>The following table shows the range of ASCII values for various characters.</p> <p>A - Z = 65 -90 a - z = 97 - 122 0 - 9 = 48 - 57 special symbols = 0 - 47, 58 - 64, 91 - 96, 123 - 127</p>
3.	<p>A certain grade of steel is graded according to the following conditions:</p> <ul style="list-style-type: none">(i) Hardness must be greater than 50(ii) Carbon content must be less than 0.7(iii) Tensile strength must be greater than 5600 <p>The grades are as follows:</p> <p>Grade is 10 if all three conditions are met Grade is 9 if conditions (i) and (ii) are met Grade is 8 if conditions (ii) and (iii) are met Grade is 7 if conditions (i) and (iii) are met Grade is 6 if only one condition is met Grade is 5 if none of the conditions are met</p> <p>Write a program, which will require the user to give values of hardness, carbon content and tensile strength of the steel under consideration and output the grade of the steel.</p>
4.	A library charges a fine for every book returned late. For the first 5 days the fine is 50 paise per day, for 6-10 days the fine is one rupee per day and above 10 days the fine is 5 rupees per day. If you return the book after 30 days your membership will be cancelled. Write a program to accept the number of days the member is late to return the book and display the fine or the appropriate message.
5.	If a three digit number is input through the keyboard, write a C++ program to reverse the number. Find if the given number is a palindrome or not.
6.	Write a program that reads an integer -n (decimal number system) and convert this decimal number to Binary, Octal, and Hexadecimal form.

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