

1.	Write a C++ program that will ask for a temperature in Fahrenheit and display it in Celsius using a class called temp and member functions.															
2.	Create a class Distance, which accepts data in feet and inches adds two distances and displays the members of the distance object in the appropriate form. Test the class in the main program by creating object d1 and d2 of type distance, accept data for each object and add them then display them.															
3.	<p>Imagine a check-post at a bridge. Car passing by the check-post are expected to pay Rs. 50 as tax. Most of the cars pay but sometimes a car goes without paying the tax. The check-post has to keep track of number of cars and amount collected.</p> <p>Create a class check to implement this problem. The data members of the class are no, to count number of class and amount to keep track of the amount collected. Write member function paying for cars which are paying the tax and another function nopay for cars not paying the tax, also write a function to display number of cars passed and amount collected.</p> <p>Write a menu driven main program with option for paying car, another for not paying car, option to display the result and exit option. Create a single object of check type to test the class.</p>															
4.	Create a class date which stores date in dd-mm-yyyy format. Include appropriate constructors to initialize the objects. Write a member function which gives the differences of given two dates as number of days. Another function to which days can be added so as to given the date after addition of days. Check the class by creating objects of the date class. Checking program should be menu driven.															
5.	Create a class that contains variables for storing feet and its equivalent value of inches. Pass to the class's constructor no. of feet and have the constructor display the no. of inches.															
6.	Create a function sleep() that pauses the computer for the number of seconds specified by its single argument. Overload sleep() so it can be called with either an integer or a string representation of an integer. (e.g. sleep(10) & sleep("10") both should be valid)															
7.	<p>Given the following class specifications and using friend as a bridge, write a function to calculate the volume, assign it to member vol in class volume and display the value of vol.</p> <pre>class cylinder{ int r,h;}; class volume { long vol;};</pre>															
8.	<p>A Cricket team has the table of batting figures for a series of test matches. Write a program to read the data name , runs , innings , times not out into a class object and calculate the batting average , also display the result in the format as given below :</p> <table><tr><th>Player's name</th><th>Runs</th><th>Innings</th><th>Times Not Out</th><th>Batting Average</th></tr><tr><td>Tendulkar</td><td>632</td><td>15</td><td>0</td><td></td></tr><tr><td>Azharuddin</td><td>524</td><td>16</td><td>2</td><td></td></tr></table>	Player's name	Runs	Innings	Times Not Out	Batting Average	Tendulkar	632	15	0		Azharuddin	524	16	2	
Player's name	Runs	Innings	Times Not Out	Batting Average												
Tendulkar	632	15	0													
Azharuddin	524	16	2													

9.	<p>An electricity board charges the following rates to domestic users</p> <p>For first 100 units 40p per unit For next 200 units 50p per unit Beyond 300 units 60p per unit</p> <p>All users are charged a minimum of Rs. 500. If the total cost is more than Rs. 250.00 then an additional surcharge of 15% is added. Write a program to read the name of users and units consumed and print out the charges along with names.</p>
10.	<p>Define a class to represent Bank account. Include the following members. Data members</p> <ul style="list-style-type: none">(1) Name of depositor(2) Account number(3) Type of account(4) Balance member functions <ul style="list-style-type: none">(a) To assign initial values(b) To deposit an amount in a particular account(c) To withdraw an amount after checking the balance(d) To display name and balance <p>Write a main program to test the class for handling 10 customers</p>