

1. Write a C++ program to implement a class called Date that has private member variables for day, month, and year. Include member functions to set and get these variables, as well as to validate if the date is valid.
2. Write a C++ program to implement a class called Student that has private member variables for name, class, roll number, and marks. Include member functions to calculate the grade based on the marks and display the student's information. Also print maximum mark with help of a Maxi() function.
3. Write a program that would print the information (name, year of joining, salary, address) of three employees by creating a class named 'Employee'. The output should be as follows:

Name	Year of joining	Address
Robert	1994	64C-WallsStreat
Sam	2000	68D-WallsStreat
John	1999	26B- WallsStreat

4. Write a C++ Program To Calculate Electricity Bill Of Person using Class.
  - To Calculate Electricity Bill Of Person using Class, first we have to create and call get( ) function to take input details of the customer.
  - After get( ) , we create and call a new function i.e calc\_bill( ) to calculate the total bill of the customer on the behalf of units consumed by the customer .
  - At last , we call the put( ) function to print or display customer or person electricity bill on the screen.
  - Between 0 - 100 Unit, price 5 taka per unit
  - Between 101 - 200 Unit, price 7 taka per unit
  - Between 201 - N Unit, price 9 taka per unit
5. Create a class called Employee with a name, salary, and hire date as private attributes. With help of a friend function, calculate the total year of service.