

CLASS AND OBJECTS

Q.1 Create the following classes and write their appropriate class members and display proper information to user.

a) Time b) Date c) Person d) Student e) Fan f) Point g)Box

Q.2 Create a class Team as follows with following data members such as, Accept 5 different records in array and display the records as follows:

Country	Player	Matches	Age	BattingAvg	BallingAvg
Name	Name				
India	Sachin	295	30	45.51	53.00
Australia	Ricky	160	28	41.00	67.00
India	Saurav	230	31	40.95	30.00

Q.3 An electricity board charges the following rates to domestic users to discourage large consumption of energy:

For the first 30 units - 1.50/- per unit

For next 200 units - 3.00/- per unit

Beyond 300 units - 4.25/- per unit

Create a class ElectricityBill for atleast 5 users with following opearitions....

Write a program to read the name of the user and number of units consumed and print out the charges with names.

If the total amount is more than Rs. 500.00 then an additional surcharge of 15% is added.

Q.4 Write a Program to implement a sphere class with appropriate members and

member function to find the surface area and the volume.

(Surface = $4 \pi r^2$ and Volume = $\frac{4}{3} \pi r^3$)

Q.5 Write a program to implement a telephone bill class with Name, Address, Tel. No., No. of calls as data members. Compute the amount to be paid if the charges per call is Rs. 2/-.