



INDIAN SCHOOL MUSCAT
SENIOR SECTION
DEPARTMENT OF COMPUTER SCIENCE
CLASS XI
WORKSHEET – 15

TOPIC: STRUCTURES

1. Define a structure student with the following members :rollno, name and marks in 5 subjects, total and average. Write a C++ Program to read roll number, name and marks of a student using the above structure and compute total and average and display all the details.
2. Define a structure customer with the following members : Idno, name and units and amount. Write a C++ Program to read Idno, name and number of units consumed for n customers and compute amount as per the following criteria :

Units	Amount
1 - 100	200 baiza per unit
101 – 300	400 baiza per unit
> 300	500 baiza per unit

For example , if the units consumed is 350, then amount = $100*0.200 + 200*0.400 + 50*0.500$ Display Idno, name, number of units and total amount for n customers.
3. Write a program to do the following : Define a structure TIME with three integer elements : Hr, Mn, Ss. Declare a variable T1 of type TIME and simultaneously initialize it with 0,0,0. Declare another variable T2 of type TIME and copy the values of T1 in T2. Display the values in T1 and T2. Obtain new values of T1 and T2 from the user. Display the values in T1 and T2. Add T1 and T2 and store the sum in third variable T3 (Keeping in mind that seconds and minutes can't be greater or equal to 60). Display the values in T3.



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