

Shri Swaminarayan College of Computer Science

SY BCA: Data Structure

Lab Assignment: 3

Topic: STRUCTURE

Assignment date 10-8-2009

Submission date 25-8-2009

1. Define a structure that can be describing an hotel. It should have members that include the name, address, grade, average room charge and number of rooms. Write functions to perform the following operations:-
 - To print out hotels of a given grade in order of charges.
 - To print out hotels with room charges less than a given value.
2. Define a structure data type named date containing three integer members day month and year. Develop an interactive modular program to perform the following tasks.

- To read data into structure members by a function
- To validate the date entered by another function
- To print the date in format like April 29, 2002. By a third function.

The input data should be integer like 29, 4, 2002 corresponding to day, month and Year. Examples of invalid data:-

31.4.2002 April has only 30 days

29.2.2002 is not leap year.

3. define a structure named survey with the following three members
 - A character array city [] to store names
 - A long integer to store population of the city.Write a program to do the following
 - To read details for 5 cities randomly using an array variable
 - To sort the list alphabetically
 - To display sorted list
4. define a structure called cricket that will describe the following information
Player name : - batting average
Using cricket declare an array player with 10 records and write a program to read the information about all the 10 players. And print the list containing the name of the players in ascending order of the batting average.

5.