```
[ ] = { 10, 20, 15, 25, 8, 75, 6, 2 };
int "I;
1=5;
                                               85
                                        a.
      *[1+3]
1.
                                        b.
      s[1[7]].x
      s[(s+2)->y/3[1]].y
                                               6
3.
      1[1[1]-1[2]]
                                               7
                                               16
      1[s[3].y]
5.
      (s+1)->x+5
                                               15
6.
      *(1+i)**(i+4)/*i
                                               25
                                        g.
7.
      s[ |[ 0 ] - |[ 4 ] ].y + 10
                                        h.
                                               8
      (*(s+*(i+1)/*i)).x+2
                                               1
      ++i[i[6]]
                                        j.
                                               100
10.
                                        k.
                                              10
                                              20
```

- [D] Attempt the following:
- Roll number, Name, Department, Course, Year of joining

Assume that there are not more than 450 students in the college.

- (1) Write a function to print names of all students who joined in a particular year.
- (2) Write a function to print the data of a student whose roll number is received by the function.
- (b) Create a structure to specify data of customers in a bank. The data to be stored is: Account number, Name, Balance in account.

 Assume maximum of 200 customers in the bank.
 - (1) Write a function to print the Account number and name of each customer with balance below Rs. 100.
 - (2) If a customer requests for withdrawal or deposit, the form contains the fields:

Acct. no, amount, code (1 for deposit, 0 for withdrawal)

Write a program to give a message, "The balance is insufficient for the specified withdrawal", if on withdrawal the balance falls below Rs. 100.

- (c) An automobile company has secial number for expression from AAO to FF9. The other characteristics of parts are part of manufacture, material and quantity manufactured
 - (1) Specify a structure to store information corresponding to a
 - (2) Write a program to retrieve information on parts with serial numbers between BB1 and CC6.
- matches that he has played and the average runs that he has scored in each test match. Create an array of structures to hold records of 20 such cricketers and then write a program to read these records and arrange them in ascending order by average runs. Use the qsort() standard library function.
- There is a structure called employee that holds information like employee code, name and date of joining. Write a program to create an array of structures and enter some data into it. Then ask the user to enter current date. Display the names of those employees whose tenure is greater than equal to 3 years.
 - Create a structure called library to hold accession number, title of the book, author name, price of the book, and flag indicating whether book is issued or not. Write a menu-driven program that implements the working of a library. The menu options should be:
 - 1. Add book information
 - 2. Display book information
 - 3. List all books of given author
 - 4. List the title of specified book
 - 5. List the count of books in the library
 - 6. List the books in the order of accession number
 - 7. Exit
- (g) Write a function that compares two given dates. To store a date use a structure that contains three members namely day, month and year. If the dates are equal the function should return 0, otherwise it should return 1.
 - (h) Linked list is a very common data structure that is often used to store similar data in memory. The individual elements of a linked list are stored "somewhere" in memory. The order of the elements is maintained by explicit links between them. Thus, a linked list is a