Group III – Computer Application – Holiday Homework
Each Question carries 10 marks

1) Write a program to accept name, age, phone number, salary for an employee using array, store the details in the file as **Employeedb.csv** (Comma Separate values) and display the EMPLOYEEID .Format of the employee id should be **EMP_YYYY_MM_NNN** (**EMP** is a string, **YYYY** – Year, **MM** – Current Month and **NNN** –sequence number(001,002,003,etc)). (e.g.)

Ram, 20, 12345, $10000, EMP_2014_03_001
Jenny, 24, 23455, $25600, EMP_2014_03_002

2) Write a program to read the data stored for above program (Employeedb.csv) and the display the following.

No. of Comma's in the file
First Occurrence of Comma in the File
No. of Underscores in the entire file
Replace all Underscores to . in the file (DOT)
Length of data stored in the file
No of Upper case characters found in the entire file
No.of Word's character greater than 3 for each line
No.of vowels in employee name for each line (e.g.) 2 – Vowels, Aneesh
If Employee name is "Palindrome" – display the no. of employee, employee name with Employee Id
Display Employee name and employee id whose salary greater than 10 K

3) Write a program to accept student name, rollno, grade and marks for Physics, chemistry, computer science and biology. If student's mark has not been stored in file, store the information and display the aggregate stored by the student. If student's mark has been already entered, do not store the details in to file, display message as "Record already exist".

4) Write a program to accept the line number from the user and display the content stored in the file. if such line number doesn't exist in file, system should display the message as "LINE NUMBER DOES NOT EXIST"

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5) Write a program to display the following output.

<> < ! > < ! % ! > < ! % $ % ! > < ! % ! > < ! > </>	abc*cba ab? cba ab }a [ ] a{ ba abc ?ba abc*cba

6) Modify the given program to generate permutation and combination from alphabet [a ~ z]

```
class NCR
{
        public static String[ ] getAllLists(String[ ] elements, int lengthOfList)
        {
String[ ] allLists = new String[ (int) Math.pow(elements.length, lengthOfList) ];
                if(lengthOfList == 1)
                {
                        return elements;
                }
                else
                {
                   String[ ] allSublists = getAllLists(elements, lengthOfList - 1);

                        int arrayIndex = 0;
```

```
                for(int i = 0; i < elements.length; i++)
                {
                        for(int j = 0; j < allSublists.length; j++)
                        {
                        allLists[arrayIndex] = elements[ i ] + allSublists[ j ];

                                arrayIndex++;
                        }
                }
                return allLists;
        }
    }
    public static void main(String[ ] args)
    {
                String[ ] database =  {"a","b","c","d","e","f","g","h",
                "i","j","k","l","m","n","o","p",
                "q","r","s","t","u","v","w","x","y","z"};
        long list=0;

        for(int i=1; i<=database.length; i++)
        {
                String[ ] result = getAllLists(database, i);

                for(int j=0; j<result.length; j++)
                {
                        list++;

                        System.out.println(result[j] + " Position " + (list));
                }
        }
    }
}
```

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~~7) Write a program to accept your name and do the following~~

~~a) Append each character for your name with $ symbol~~

~~b) convert each character of your name to decimal number except $~~

~~c) convert each decimal number to binary value (0 and 1)~~

~~d) Convert binary value to string value as 0 and 1~~

~~e) Display the data in command prompt~~

~~f) Store the details in Encrypt.txt file~~

8) Write a program to read your name from the file and do the following

a) Read the details stored in Encrypt.txt file

b) Convert the each binary value to decimal value except $

c) Convert each decimal value to character except $

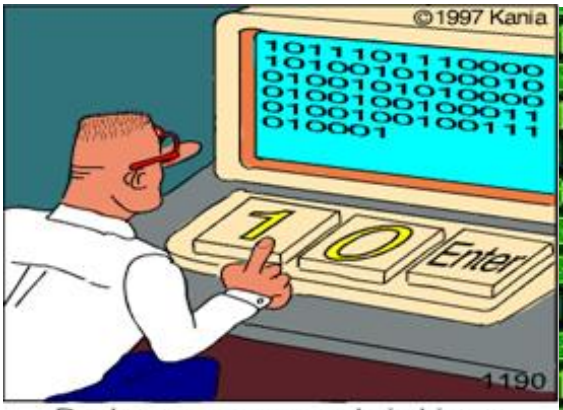
d) Convert each $ to . (DOT)

e) Display your name in command prompt in Upper case

==========HAPPY CODING AND ROLLING EYES==========

Welcome to the world of binary

01111011111110101011111011110000



Real programmers code in binary.

00000001111111111010101010000000

01000000011010101010111000010010