

Day 14

1. source.txt has a huge amount of text data(20 – 50 sentences in a single line). Write a program to do the following.

a) create the file dest.txt in which each sentence is written in a different line.

b) create the file dest2.txt in which the entire text is split into paragraphs. (each paragraph has 5 sentences and begins with a tabspace)

```
import java.io.*;

public class temp {
    public static void main(String[] args) throws
IOException {
        BufferedReader br=new BufferedReader(new
FileReader("source.txt"));
        FileWriter dest1 = new FileWriter("dest.txt");
        FileWriter dest2 = new FileWriter("dest2.txt");

        int ch;
        while((ch=br.read())!=-1){
            dest1.write(ch);
            if(ch=='.') {
                dest1.write("\n");
                br.read();
            }
        }
        System.out.println("Task 1 done");
        dest1.close();
        br.close();
    }
}
```

```

    br=new BufferedReader(new
FileReader("source.txt"));
    int c=0;
    dest2.write("\t");
    while((ch=br.read())!=-1){
        dest2.write(ch);
        if(ch=='.') {

            dest2.write(br.read());
            c++;

            if (c == 5){
                dest2.write("\n\n\t");
                c = 0;
            }
        }
    }
    dest2.close();
    System.out.println("Task 2 done");
    br.close();
}
}

```

2. Input a String from the user, Display the piglatin version of the sentence.

Eg: I love Marvel movies.

Output: Iay Ovelay arvelMay oviesmay.

Eg2: Java is a secure language.

Output: avajay isay aay ecuresay anguagelay

```

public class piglatin {

    static String getPiglatin(String s){
        int index=-1;
        for(int i=0; i<s.length(); i++){
            char ch=s.charAt(i);
            switch (ch){ //if s="program"
                case'a': case'e': case'i': case'o':
case'u':index=i;
            }
            if(index>=0)
                break;
        }
        if(index== -1 || s.length()==1)
            return s+"ay";
        else
            return s.substring(index)+s.substring(0,index)
+"ay";
//ogram+pr+ay
    }

    public static void main(String[] args) {
        String sent="show the code again sir ";
        String[] words= sent.split(" ");
        for(String word : words){
            System.out.print(getPiglatin(word)+ " ");
        }
    }
}

```