

Sample Solution --- Lecture 5.4 Programming Exercise

Here is a sample solution to the programming exercise. Your solution does not have to be exactly the same, but it should produce similar results.

This program uses the file format information to read each line in the file and extract the three information components with the `String` class `substring()` method.

```
import java.io.*;
import java.util.*;

public class TaskFileReaderExercise
{
    public static void main( String [] args )
    {
        Date d = null;
        String line = null;
        BufferedReader in = null;

        try
        {
            in = new BufferedReader(
                new FileReader( "tasks.txt" ) );

            while( ( line = in.readLine() ) != null )
            {
                String s = line.substring( 0, 5 );
                int taskNum = Integer.parseInt( s.trim() );
                String task = line.substring( 5, 35 );
                String date = line.substring( 35, 50 );

                System.out.println( "Task # " + taskNum );
                System.out.println( "Task: " + task.trim() );
                System.out.println( "Date: " + date.trim() );
            }
            in.close();
        }
        catch ( Exception e )
        {
            System.out.println( "Error reading file" );
        }
    }
}
```