

Sample Solution --- Lecture 5.3 Programming Exercise

Here is a sample solution to the programming exercise. Your solution does not have to look exactly like this, but should produce similar results.

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

public class TaskFileWriterExercise
{
    public static void main( String [] args )
    {
        Date [] dueDates = { new Date( 3, 10, 2011 ),
                             new Date( 2, 20, 2011 ),
                             new Date( 3, 30, 2011 ) };
        String [] tasks = { "Do Java Homework",
                             "Get concert tickets",
                             "Study for math test" };

        PrintWriter out = null;

        try
        {
            out = new PrintWriter(
                new BufferedWriter(
                    new FileWriter( "tasks.txt" ) ) );

            for( int i = 0; i < 3; i++ )
                out.printf( "%5d %-30s %15s \n", ( i + 1 ),
                           tasks[ i ], dueDates[ i ].getDate() );

        }
        catch ( IOException e )
        {
            System.out.println( "PrintWriter not created" );
        }
        finally
        {
            out.close();
        }
    }
}
```

Note that this program uses the `printf()` method from the `PrintWriter` class to format the data record for each task. The hyphen (-) indicates that an object is to be left-justified in a field.