

Sample Solution --- Lecture 6.4 Programming Exercise

Here is a sample solution to the programming exercise. Your solution doesn't have to look exactly like this one, but it should produce equivalent results.

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

public class UpdateRandomAccessFileExercise
{
    public static void main( String [] args )
    {
        RandomAccessFile f = null;

        try
        {
            f = new RandomAccessFile( "products.dat", "rws" );

            f.seek( 126 );           // position to where quantity is stored
            f.writeInt( 48 );        // update quantity

            f.seek( f.length() );    // position pointer to end of file

            // add new record
            f.writeInt( 100 );
            f.writeChars( "Roofing Tacks  " );
            f.writeInt( 1500 );
            f.writeDouble( 7.95 );

            f.close();
        }
        catch( Exception e )
        {
            System.out.println( "Error Updating file" );
        }
    }
}
```