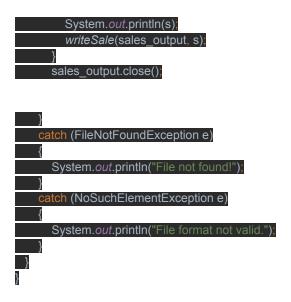
```
import java.io.*;
import java.util.*;
import java.util.jar.JarOutputStream;
public class SalesSplit
/**
 Prompts for and reads name of file to process.
 @param in Scanner from which to read
  @return file name
 private static String getFileName(Scanner in)
  String filename = null;
   System.out.print("Enter file to process: ");
   if (in.hasNext())
      filename = in.next();
  return filename;
  Read a sales entry from input Scanner.
  @param in Scanner from which to read entry
 private static Sale readSaleEntry(Scanner in)
    String inputLine = in.nextLine();
    Scanner lineScan = new Scanner(inputLine);
   lineScan.useDelimiter(";");
/YOUR CODE TO INPUT name, service, amount, and date.
    int i = 0:
    String name = ""; String service=""; double amount=0; String date="";
    while(lineScan.hasNext()){
      String value=lineScan.next();
      if(i\%4==0) {
        name=value;
      else if(i%4==1) {
        service=value;
      else if(i%4==2) {
       amount=Double.parseDouble(value);
     else if(i%4==3) {
       date=value;
   j++;
    Sale return_sale = new Sale(name, service, amount, date);
   return return_sale;
```

```
Reads sales data from the specified file.
 @param filename name of sales data file
private static ArrayList<Sale> readSalesFile(String filename) throws FileNotFoundException
 ArrayList<Sale> sales = new ArrayList<Sale>();
   if (filename != null)
      try (Scanner infile = new Scanner(new File(filename)))
      while (infile.hasNext()){
          sales.add(readSaleEntry(infile));
      catch(IllegalArgumentException e)
        System.out.println("File format not valid.");
   return sales;
  Writes sale to writer.
 @param out PrintWriter to which sale is written
 @param sale sale information
 private static void writeSale(PrintWriter out, Sale sale)
   out.print(sale.getName());
   out.print(";");
   out.print(sale.getServiceCategory());
   out.print(";");
   out.print(sale.getAmount()):
   out.print(";");
   out.print(sale.getDate());
   out.println();
public static void main(String[] args)
   Scanner in = new Scanner(System.in);
   String filename = getFileName(in);
  System.out.println("The filename is: " + filename);
  try
      PrintWriter sales_output = new PrintWriter("salesoutput.txt");
      ArrayList<Sale> sales = readSalesFile(filename);
     for (Sale s : sales) {
```



Sales Output.txt John Public;Dinner;29.95;6/7/2014 Jane Public;Conference;499.0;8/9/2014 Abby Lawrence;Dinner;23.45;10/10/2014

