Debug 1)

```
PS D:\Uni\swt_new>  & 'C:\Program Files\Java\jre1.8.0_351\bin\java.exe' '-agentlib:jdwp=trans
ceStorage\53d041c2f73c551cc242f5c323f360e3\redhat.java\jdt_ws\swt_new_5129ed19\bin' 'src.Main
Exception in thread "main" java.lang.NullPointerException
        at src.ShoppingBasket.addTobasket(ShoppingBasket.java:16)
        at src.Main.debuggingExercise1_2(Main.java:11)
        at src.Main.main(Main.java:5)
```

```java
 3    public class Main {
          Run | Debug
 4        public static void main(String[] args) {
 5            debuggingExercise1_2();
 6        }
 7
 8        public static void debuggingExercise1_2() {
 9            ShoppingBasket johnShoppingBasket = new ShoppingBasket();
10            johnShoppingBasket.addTobasket(item:"Bread");
11            johnShoppingBasket.addTobasket(item:"water");
12            System.out.println("john bill : " + johnShoppingBasket.getBill());
13
14            ShoppingBasket saraShoppingBasket= new ShoppingBasket();
15            saraShoppingBasket.addTobasket(item:"Pasta");
16            saraShoppingBasket.addTobasket(item:"Milk");
17            System.out.println("sara bill : " + saraShoppingBasket.getBill());
18        }
19    }
```

```java
     3      import java.util.ArrayList;
     4
     5      public class ShoppingBasket {
     6          public static Items itemList = new Items();
     7          private static Integer totalPrice = 0;
     8
     9          ArrayList<String> myItems = new ArrayList<String>();
    10
    11          public ShoppingBasket() {
    12
    13          }
    14
    15          public void addTobasket(String item) {
    16              setTotalPrice(getTotalPrice() + itemList.getPrice(item));
    17          }
    18
    19          public Integer getBill() {
    20              return getTotalPrice();
    21          }
    22
    23          public Integer getTotalPrice() {
    24              return totalPrice;
    25          }
    26
    27          public void setTotalPrice(Integer totalPrice) {
    28              ShoppingBasket.totalPrice = totalPrice;
    29          }
    30      }
```

```
    14
    15          public void addTobasket(String item) { item = "water"
  D 16              setTotalPrice(getTotalPrice() + itemList.getPrice(item)); itemList = Items@12, item = "water"
    17          }
    18
```

Debug 2)

```java
19        public Integer getBill() {
20            return getTotalPrice();
21        }
22
23        public Integer getTotalPrice() {
24            return totalPrice; totalPrice = Integer@25 "2"
25        }
26
27        public void setTotalPrice(Integer totalPrice) {
28            ShoppingBasket.totalPrice = totalPrice;
29        }
30    }
```

Debug 3)

```
in' 'src.Main2'
January brings the snow,
    Makes our feet and fingers glow.
PS D:\Uni\swt_new>  d:; cd 'd:\Uni\swt_new'; & 'C:\Program
jdt_ws\swt_new_5129ed19\bin' 'src.Main2'
February brings the rain,
    Thaws the frozen lake again.
PS D:\Uni\swt_new>  d:; cd 'd:\Uni\swt_new'; & 'C:\Program
jdt_ws\swt_new_5129ed19\bin' 'src.Main2'
Chill December brings the sleet,
    Blazing fire, and Christmas treat.
PS D:\Uni\swt_new>  d:; cd 'd:\Uni\swt_new'; & 'C:\Program
jdt_ws\swt_new_5129ed19\bin' 'src.Main2'
  Warm September brings the fruit;
    Sportsmen then begin to shoot.
PS D:\Uni\swt_new>  d:; cd 'd:\Uni\swt_new'; & 'C:\Program
jdt_ws\swt_new_5129ed19\bin' 'src.Main2'
May brings flocks of pretty lambs
    Skipping by their fleecy dams.
June brings tulips, lilies, roses,
    Fills the children's hands with posies.
PS D:\Uni\swt_new> []
```

```
20              break;
21
22          case MARCH:
23              System.out.println("March brings breezes, loud and shrill,\n"
24                      + "    To stir the dancing daffodil.");
25              break;
26
27          case APRIL:
28              System.out.println("April brings the primrose sweet,\n"
29                      + "    Scatters daisies at our feet.");
30              break;
31
32          case MAY:
33              System.out.println("May brings flocks of pretty lambs\n"
34                      + "    Skipping by their fleecy dams.");
35
36          case JUNE:
37              System.out.println("June brings tulips, lilies, roses,\n"
38                      + "    Fills the children's hands with posies.");
39              break;
40
```