Practical Test 2 - One

Time: 45 minutes

Write a program to model a clothing outfit in an object-oriented program. You are given a driver class and one of the data classes (Item). You are required to write the Outfit class – only the methods used by the driver class are required.

Note: You can download the classes from the "Practical Test 2 – One" assignment on Vula.

Sample I/O:

```
The Jeans and Tekkies Combo
Shoes:Tekkies
Pants:Jeans
```

PracTest2One.java (Driver class):

```java
class PracTest2One
{
   public static void main ( String [] args )
   {
      Outfit jeansAndTekkies = new Outfit ("The Jeans and Tekkies Combo");
      jeansAndTekkies.addShoes (new Item ("Tekkies"));
      jeansAndTekkies.addPants (new Item ("Jeans"));
      System.out.println (jeansAndTekkies);
   }
}
```

Item.java:

```java
class Item
{
   private String name;
   public Item ( String theName )
   { name = theName; }
   public String toString ()
   { return name; }
}
```

You may consult your paper notes and textbook, but no electronic resources. You may NOT use a search engine or consult any Web resources (including Vula) or files on your flash disk, hard drive, etc. Comments are important in all programs, but note that no marks are assigned for comments.

Submit only the **Outfit.java** source file contained within a .ZIP file to the Automatic Marker – and make sure you submit the Java file and not the Jgrasp Project file!

Practical Test 2 - Two

Time: 45 minutes

Write a program to model the contents of a student's desk in an object-oriented program. You are given a driver class and one of the data classes (Stationery). You are required to write the DeskContents class - only the methods used by the driver class are required.

Note: You can download the classes from the "Practical Test 2 – Two" assignment on Vula.

Sample I/O:

```
Jabu:Bic Clic,Staedtler HB,Mars Plastic
```

PracTest2Two.java (Driver class):

```java
class PracTest2Two
{
   public static void main ( String [] args )
   {
      Stationery pen = new Stationery ("Bic Clic");
      Stationery pencil = new Stationery ("Staedtler HB");
      Stationery eraser = new Stationery ("Mars Plastic");
      DeskContents jabu = new DeskContents ("Jabu", pen, pencil, eraser);
      System.out.println (jabu);
   }
}
```

Stationery.java:

```java
class Stationery
{
   private String name;
   public Stationery ( String aName )
   { name = aName; }
   public String toString ()
   { return name; }
}
```

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Submit only the **DeskContents.java** source file contained within a .ZIP file to the Automatic Marker – and make sure you submit the Java file and not the Jgrasp Project file!

Practical Test 2 - Three

Time: 45 minutes

Write a program to model a three course meal menu in an object-oriented program. You are given a driver class and one of the data classes (Course). You are required to write the ThreeCourseMeal class - only the methods used by the driver class are required.

Note: You can download the classes from the "Practical Test 2 – Three" assignment on Vula.

Sample I/O:

```
Beans Bonanza
1:Bean soup
2:Bean stew
3:Bean dessert
```

PracTest2Three.java (Driver class):

```java
class PracTest2Three
{
   public static void main ( String [] args )
   {
      ThreeCourseMeal beansMeal = new ThreeCourseMeal ("Beans Bonanza");
      beansMeal.addFirst (new Course ("Bean soup"));
      beansMeal.addSecond (new Course ("Bean stew"));
      beansMeal.addThird (new Course ("Bean dessert"));
      System.out.println (beansMeal);
   }
}
```

Course.java:

```java
class Course
{
   private String name;
   public Course ( String theName )
   { name = theName; }
   public String toString ()
   { return name; }
}
```

You may consult your paper notes and textbook, but no electronic resources. You may NOT use a search engine or consult any Web resources (including Vula) or files on your flash disk, hard drive, etc. Comments are important in all programs, but note that no marks are assigned for comments.

Submit only the **ThreeCourseMeal.java** file contained within a .ZIP file to the Automatic Marker – and make sure you submit the Java file and not the Jgrasp Project file!

Practical Test 2 - Four

Time: 45 minutes

Write a program to model a two course meal menu in an object-oriented program. You are given a driver class and one of the data classes (Course). You are required to write the TwoCourseMeal class - only the methods used by the driver class are required.

Note: You can download the classes from the "Practical Test 2 – Four" assignment on Vula.

Sample I/O:

```
Beans Bonanza
1:Bean soup
2:Bean stew
```


PracTest2Four.java (Driver class):

```java
class PracTest2Four
{
   public static void main ( String [] args )
   {
      TwoCourseMeal beansMeal = new TwoCourseMeal ("Beans Bonanza");
      beansMeal.add (new Course ("Bean soup"), 1);
      beansMeal.add (new Course ("Bean stew"), 2);
      System.out.println (beansMeal);
   }
}
```


Course.java:

```java
class Course
{
   private String name;
   public Course ( String theName )
   { name = theName; }
   public String toString ()
   { return name; }
}
```


You may consult your paper notes and textbook, but no electronic resources. You may NOT use a search engine or consult any Web resources (including Vula) or files on your flash disk, hard drive, etc. Comments are important in all programs, but note that no marks are assigned for comments.

Submit only the **TwoCourseMeal.java** file contained within a .ZIP file to the Automatic Marker – and make sure you submit the Java file and not the Jgrasp Project file!