Some Review

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What is printed?

s is a static attribute

```
static String[] s;

public static void main(String[] args){

    System.out.println( s );


}
```

What does this print?

```
static String[] s;

public static void main(String[] args){

    System.out.println("length=" +

                    s.length );



}
```

What is printed now?

```java
static String[] s;

public static void main(String[] args){

    s = new String[10];

    System.out.println( s[1] );


}
```

What is printed now?

```java
static String[] s;

public static void main(String[] args){

    s = new String[10];

    System.out.println( s[1] );


}
```

Make Food

Suppose you have a class named `Food`.

Write one statement to create an array of 20 Foods.

_____ _____ = _____ ;

How to copy an array?

Copy array `a[]` to array `b[]`. What is wrong with this?

```java
double[] a = { 1.0, 2.0, 3.0, 4.0 };

double[] b = new double[4];

b = a;

System.out.println( Arrays.toString(b) );
// Prints:

[1.0, 2.0, 3.0, 4.0]
```

How to <u>really</u> copy an array?

Write the code to copy a into b.

```
double[] a = { 1.0, 2.0, 3.0, 4.0 };

double[] b = new double[a.length];

//TODO Copy array a to array b


_____


_____


_____
```

Name that Package...

What is the name of the Java package:

_____ contains core classes of the Java language,

such as Object, Double, String, System.

_____ contains utility class, Collections, and

older Date classes. Ex: Scanner, ArrayList.

_____ contains classes for input and output,

such as InputStream and OutputStream.

Bonus:

_____ contains newer Date & Time classes,

such as LocalDate (*remember?*).

Did you get all 4 Packages?

The most commonly used packages in Java:

```
java.lang
java.io                  Install the Java API Docs
java.util                (Javadoc) on your computer,
                         and get familiar with these.
```

Newer and very useful:

```
java.nio
java.time                It pays to be curious.
```

How to Compile

1. What is the command to compile Food.java?

cmd>

2. What is the command to check which version of Java is installed (very useful to know)?

cmd>