

Original Partner	<h1>Obstacle</h1> <h1>3</h1> <h1>COMP 10062</h1>	Paired Partner ("grader")	SCORE OBTAINED <hr/> <h1>5</h1>
Student #		Student #	
		ARRAY of OBJECTS	

Obstacle #3 – Built-In Java Arrays

Write on the backside of this sheet, a Java main program in a class called, **DumpTruck**. The dump truck is carrying 1,000,000 six-sided dice. If the dump truck unexpectedly dumps all the dice on the road, display the frequency of each face appearing upright, as shown in Figure 2. The Die class is given in the starter kit and does not require any alterations.

REQUIRED

- 1) you must create a 1,000,000 element dice ARRAY and store a single Die object in each element.
- 2) format the output EXACTLY as shown in Figure 2, i.e. use `System.out.printf ()`
- 3) you will find that you need 2 FOR Loops, make at least one them an ENHANCED for loop.



Figure 1. A dump truck spilling 1,000,000 dice on the road

```

Dice Roll Frequency
1: 166,779
2: 167,051
3: 166,361
4: 166,451
5: 166,563
6: 166,795

```

Figure 2. The DumpTruck program's product shot.

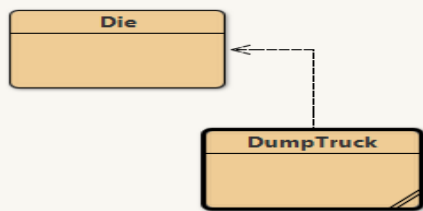


Figure 4. Java Classes Layout

Recommended:

Download the ZIP starter kit and check your answer with the computer.

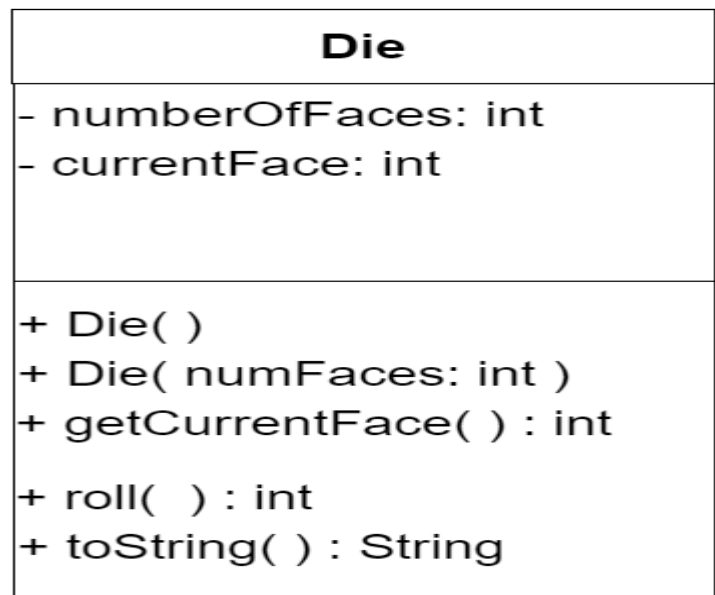


Figure 3. The Die UML

```
public class DumpTruck
```

```
{
```

```
    public static void main(String[] args)
```

```
{
```

```
    // create a 1,000,000 dice ARRAY and store in each element a single Die object.
```

```
}
```

```
}
```