

Problem 3 (10 points)

Create a file named Printer.java (remember the class name will be the same as the filename).

Write a program that asks the user to enter a string that encodes a print job. The string has this format:

"PaperSize ColorType Count"

PaperSize, ColorType, and Count are separated by exactly one space.

The first part of the string represents the size of paper used:

| Paper Size (String) | Cost Per Sheet (₩) |
|---------------------|--------------------|
| "A4" | 40 |
| "A5" | 10 |
| "Letter" | 45 |
| "Legal" | 30 |

The second part of the string represents the color of the printing. This cost is added to the cost of the paper itself:

| Color Type (string) | Cost Per Sheet (₩) |
|---------------------|--------------------|
| "Grayscale" | 5 |
| "Color" | 25 |

Take in the user input in the main method, but then use a method named `computePrintJob` that takes three parameters (paperSize, colorType, and count) and returns the cost. Then call this method from your main method and print the total cost of the print job in the main method.

You may assume that all user input will be valid (e.g. no invalid sizes, negative count, etc.). If the total end up with requiring a 5 won coin (e.g. 75), you should round up to the nearest unit of 10 won (e.g. 75 rounds to 80).

Several example runs are given below:

```
Enter print job info: A4 Color 4 ↵  
Print job cost: 260
```

```
Enter print job info: Legal Grayscale 53 ↵  
Print job cost: 1860
```

```
Enter print job info: A4 Color 40 ↵  
Print job cost: 2600
```