

- *2.5** (*Financial application: calculate tips*) Write a program that reads the subtotal and the gratuity rate and computes the gratuity and total. For example, if the user enters **10** for the subtotal and **15%** for the gratuity rate, the program displays **1.5** as the gratuity and **11.5** as the total. Here is a sample run:



```
Enter the subtotal and a gratuity rate: 15.69, 15
The gratuity is 2.35 and the total is 18.04
```



- *2.13** (*Split digits*) Write a program that prompts the user to enter a four-digit integer and displays the number in reverse order. Here is a sample run:



```
Enter an integer: 3125
3
1
2
5
```



- 2.15** (*Geometry: area of a hexagon*) Write a program that prompts the user to enter the side of a hexagon and displays its area. The formula for computing the area of a hexagon is $Area = \frac{3\sqrt{3}}{2}s^2$, where s is the length of a side. Here is a sample run:

```
Enter the side: 5.5
The area of the hexagon is 78.5895
```

