**Variable Exercises**

1. The volume of a sphere with radius r is 4/3 *r*3 . Ask the user for the radius and display the volume of the sphere with this radius.

For example (user input is in red):

**What is the radius: 5.4**

**The volume is 659.58**

1. Ask the user for the price of a book. Display the total wholesale cost for 60 copies, considering that bookstores get a 40% discount and shipping costs is $2.5 for the first copy and 55 cents for each additional copy. Then, ask the user for the number of books and display the total cost for that number of copies entered.

For example (user input is in red):

**What is the price of a book: 24.99**

**The total cost with shipping and 40% discount is: 934 dollars and 59 cents.**

**How many books would you like to order: 30**

**The total cost with shipping and 40% discount is: 468 dollars and 27 cents.**

1. Gets the user’s first and last name and outputs them in reverse order with a comma between them.

For example (user input is in red):

**What is your first name: John**

**What is your last name: Smith**

**Smith, John**

1. Gets the coordinates for two points from the user and computes the distance.

For example (user input is in red):

**Enter coordinates of the first point:**

**3**

**4**

**Enter coordinates of the second point:**

**5**

**7**

**The distance between (3,4) and (5,7) is 3.6**