



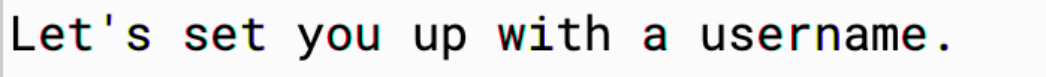
Question 1 - Username Generator Exhibits



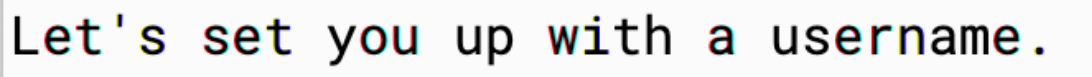
```
Let's set you up with a username.  
Please enter your first name: Michael  
Please enter your last name: Jackson  
Username: JackMi11
```



```
Let's set you up with a username.  
Please enter your first name: Michael  
Please enter your last name: Kuby  
Username: KubyMi90
```




```
Let's set you up with a username.  
Please enter your first name: Dirk  
Please enter your last name: Diggler  
Username: DiggDi24
```



```
Let's set you up with a username.  
Please enter your first name: Adam  
Please enter your last name: Trask  
Username: TrasAd48
```

Question 2 Test Exhibits




```
Let's compute the distance between two points.

Please enter the x coordinate for point 1: 1
Please enter the y coordinate for point 1: 2
The coordinates for point 1 are: (1.0, 2.0)

Please enter the x coordinate for point 2: 1
Please enter the y coordinate for point 2: 2
The coordinates for point 2 are: (1.0, 2.0)

The distance between the two points is: 0.0
```




```
Let's compute the distance between two points.

Please enter the x coordinate for point 1: 4
Please enter the y coordinate for point 1: 0
The coordinates for point 1 are: (4.0, 0.0)

Please enter the x coordinate for point 2: 2
Please enter the y coordinate for point 2: 0
The coordinates for point 2 are: (2.0, 0.0)

The distance between the two points is: 2.0
```




```
Let's compute the distance between two points.

Please enter the x coordinate for point 1: 0
Please enter the y coordinate for point 1: 0
The coordinates for point 1 are: (0.0, 0.0)

Please enter the x coordinate for point 2: 3
Please enter the y coordinate for point 2: 4
The coordinates for point 2 are: (3.0, 4.0)

The distance between the two points is: 5.0
```



BlueJ: Termin

```
Let's compute the distance between two points.

Please enter the x coordinate for point 1: 0
Please enter the y coordinate for point 1: 0
The coordinates for point 1 are: (0.0, 0.0)

Please enter the x coordinate for point 2: 1
Please enter the y coordinate for point 2: 1
The coordinates for point 2 are: (1.0, 1.0)

The distance between the two points is: 1.4142135623730951
```

Question 3 Test Exhibits

BlueJ: Terminal Window - Q1_GenerateUsername

This application calculates the circumference, volume, and surface area of a sphere correct to four decimal places. Please enter the radius of the sphere you'd like to know about: 1

The circumference is 6.2832 units.
The volume is 4.1888 units cubed.
The surface area is 12.5664 units squared.

BlueJ: Terminal Window - Q1_GenerateUsername

This application calculates the circumference, volume, and surface area of a sphere correct to four decimal places. Please enter the radius of the sphere you'd like to know about: 99

The circumference is 622.0353 units.
The volume is 4064378.9469 units cubed.
The surface area is 123162.9984 units squared.

BlueJ: Terminal Window - Q1_GenerateUsername

This application calculates the circumference, volume, and surface area of a sphere correct to four decimal places. Please enter the radius of the sphere you'd like to know about: 10.98169107

The circumference is 69.0000 units.
The volume is 5547.4868 units cubed.
The surface area is 1515.4734 units squared.

BlueJ: Terminal Window - Q1_GenerateUsername

This application calculates the circumference, volume, and surface area of a sphere correct to four decimal places. Please enter the radius of the sphere you'd like to know about: 2.544408

The circumference is 15.9870 units.
The volume is 69.0000 units cubed.
The surface area is 81.3548 units squared.

BlueJ: Terminal Window - Q1_GenerateUsername

This application calculates the circumference, volume, and surface area of a sphere correct to four decimal places. Please enter the radius of the sphere you'd like to know about: 2.343255329

The circumference is 14.7231 units.
The volume is 53.8949 units cubed.
The surface area is 69.0000 units squared.