

Connor Ellement 1803452

Software Development Test

Answers

by Connor Ellement

FILE	11820_CONNOR_ELLEMENT_CONNOR_ELLEMENT_1803452_SOFTWARE_DEVELOPMENT_TEST_ANSWERS_183215_931150190.TXT (3.04K)		
TIME SUBMITTED	15-MAY-2019 11:12AM (UTC+0100)	WORD COUNT	448
SUBMISSION ID	107277084	CHARACTER COUNT	2154

```
//Connor Ellement 1803452
```

```
//Mike Dacey
```

```
//Exercise 2 - paste code below
```

```
#include <string>
```

```
#include <iostream>
```

```
#include <sstream>
```

```
#include <stdlib.h>
```

```
using namespace std;
```

```
int main(int argc, char *argv[]) {
```

```
    stringstream stream;
```

```
    string input;
```

```
    double pi = 3.142;
```

```
    double radius;
```

```
    double area;
```

```
    cout << "Hello user! Please enter the radius for your sphere: " << endl;
```

```
    getline(cin, input);
```

```
    stream.str(input);
```

```
    stream >> radius;
```

```
stream.clear();
```

```
radius = radius * radius;  1
```

```
area = 4 * pi * radius;
```

```
cout << "Thank you for entering your radius!" << endl << "The area of your  
sphere is: " << area << "!" << endl;
```

```
return(0);
```

```
}
```

```
//Exercise 3 - paste code below
```

```
#include <string>
```

```
#include <iostream>
```

```
#include <sstream>
```

```
#include <stdlib.h>
```

```
using namespace std;
```

```
int main(int argc, char *argv[]) {
```

```
    stringstream stream;
```

```
    string input;
```

```
double celcius[5];
```

```
double fahrenheit[5];
```

```
int count;
```

```
int count2;  2
```

```
for (count = 0; count < 5; count++) {
```

```
    cout << "Please enter a temperature in celcius: ";
```

```
    getline(cin, input);
```

```
    stream.str(input);
```

```
    stream >> celcius[count];
```

```
    stream.clear();
```

```
}
```

```
cout << "The temperatures you centered were: " << endl;
```

```
cout << celcius[0] << endl;
```

```
cout << celcius[1] << endl;
```

```
cout << celcius[2] << endl;  3
```

```
cout << celcius[3] << endl;
```

```
cout << celcius[4] << endl;
```

```
cout << "The temperatures will now convert these temperatures into  
Fahrenheit." << endl;
```

```
        for (count2 = 0; count2 < 5; count2++) {  
            fahrenheit[count2] = (celcius[count2] * 9 / 5) + 32;  
  
            cout << fahrenheit[count2] << endl;  4  
        }  
  
        return(0);  
    }  
}
```

//Exercise 4 - paste code below

```
#include <string>
```

```
#include <iostream>
```

```
#include <sstream>
```

```
#include <stdlib.h>
```

```
using namespace std;
```

```
int main(int argc, char *argv[]) {
```

```
    stringstream stream;
```

```
    string input;
```

```
    string names[8];
```

```
    string search;
```

```
    int count;
```

```
bool found = false;
```

```
for (count = 0; count < 8; count++) {  
    cout << "Please enter a name: ";  
    getline(cin, input);  
    stream.str(input);  
    stream >> names[count];  
    stream.clear();  
}
```

```
cout << "Please enter a name you wih to search for: ";  
getline(cin, search);
```

```
if (search == names[0]) {  
    cout << "found it";  
    found = true;  
}  
else {  
    if (search == names[1]) {  
        cout << "found it";  
        found = true;  
    }  
    else {
```

```
if (search == names[2]) {  
    cout << "found it";  
    found = true;  
}  
else {  
    if (search == names[3]) {  
        cout << "found it";  
        found = true;  
    }  
    else {  
        if (search == names[4]) {  
            cout << "found it";  
            found = true;  
        }  
        else {  
            if (search == names[5]) {  
                cout << "found it";  
                found = true;  
            }  
            else {  
                if (search == names[6]) {  
                    cout << "found it";  
                    found = true;  
                }  
            }  
        }  
    }  
}
```

```
    }  
    else {  
        if (search == names[7]) {  
            cout << "found it";  
            found = true;  
        }  
        else {  
            cout << "not found";  
        }  
    }  
}  
}  
}  
}  
}  
}  
}  
}
```

```
    return(0);  
}
```

Upload to Moodle when complete.

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GRADEMARK REPORT

FINAL GRADE

78/100

GENERAL COMMENTS

Instructor

Exercise 1: 14

Exercise 2: 10

Exercise 3: 13

Exercise 4: 10

See code for comments.

PAGE 1

PAGE 2



Comment 1

This results in the variable radius containing the squared value which is a bit confusing

PAGE 3



Comment 2

You can re-use the same count variable



Comment 3

Should be in a loop

PAGE 4



Comment 4

You actually do not need to store the fahrenheit array value if you are just going to immediately print it.



Comment 5

You need to do this in a loop so that all the values in the array are checked, Doing this in huge if...else structure is not a very good approach,