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Csc 211

```
include<iostream>
#include<string>
```

```
using namespace std;
```

```
class secretType {
```

```
private:
```

```
    string name;
    int weight, age;
    double height;
```

```
public:
```

```
    void print(secretType);
    void setName(string);
    void setWeight(int);
    void setHeight(double);
    void setAge(int);
    int getAge() { return age; }
    int getWeight() { return weight; }
    string getName() { return name; }
    double getHeight() { return height; }
    string weightStatus(secretType);
```

```
};
```

```
void secretType::print(secretType type) {
```

```
    cout << " Name: "<<type.getName() << " Age: " << type.getAge() <<endl<< " Weight: " <<
type.getWeight()<<endl << " Height: " << type.getHeight() <<endl<< "BMI:" <<
type.weightStatus(type) << endl;
}
```

```
void secretType::setName(string nme) {
```

```
    name = nme;
}
```

```
void secretType::setWeight(int wgt) {
```

```
    weight = wgt;
}
```

```
void secretType::setHeight(double hgt) {
```

```
    height = hgt;
}
```

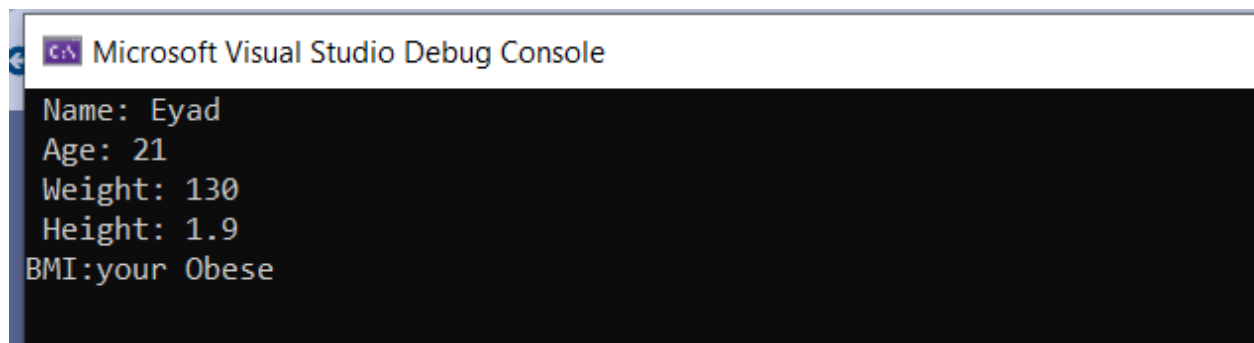
```

void secretType::setAge(int ag) {
    age = ag;
}

string secretType::weightStatus(secretType type) {
    double bmi = (type.getWeight() * 703) / (type.getHeight() * type.getHeight());
    if (bmi < 18.5)
        return "your Underweight";
    else if (bmi >= 18.5 && bmi <= 24.9)
        return "your Normal Weight";
    else if (bmi >= 25.0 && bmi <= 29.9)
        return "your Overweight";
    else if (bmi >= 30)
        return "your Obese";
}

int main() {
    secretType get;
    get.setAge(21);
    get.setName("Eyad\n");
    get.setWeight(130);
    get.setHeight(1.9);
    get.print(get);
    cout << endl;
    return 0;
}

```

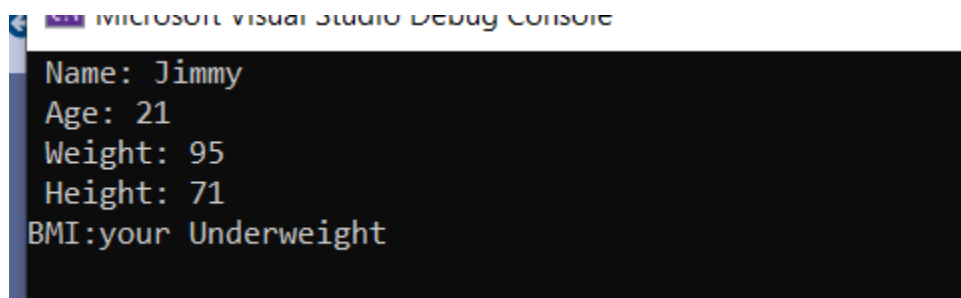


Microsoft Visual Studio Debug Console

```

Name: Eyad
Age: 21
Weight: 130
Height: 1.9
BMI:your Obese

```



Microsoft Visual Studio Debug Console

```

Name: Jimmy
Age: 21
Weight: 95
Height: 71
BMI:your Underweight

```

Microsoft Visual Studio Debug Console

Toolbox

```
Name: Shrek  
Age: 21  
Weight: 240  
Height: 87  
BMI:your Normal Weight
```