

Review Test: Programming Method

> 20190910

1 See code below.

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

class People
{
public:
    int age;
    char name[20];

    void SetName(const char* name_) {
        strcpy_s(this->name, name_);
    }
    void SetAge(int age_) {
        age = age_;
    }
};

int main()
{
    People s;
    s.SetAge(50);
    s.SetName("John");
    printf("%i,%s\n", s.age, s.name);
    printf("%i,%i\n", sizeof(People), sizeof(s));
}
```

Inside main block, we declared instance s of type class People, When this line is changed like below, change or add relevant code to remove compile time and run time errors.

```
People* s;
```

2 What is Inheritance, Polymorphism, and Encapsulation?

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