

Домашняя работа номер 3

Тема: Виртуальные методы

1)

```
#include<iostream>
```

```
#include<string>
```

```
using namespace std;
```

```
class SeasonsBase {
```

```
public:
```

```
    ~SeasonsBase();
```

```
    virtual int ch() = 0;
```

```
    enum {
```

```
        Winter = 1,
```

```
        Spring,
```

```
        Summer,
```

```
        Autumn,
```

```
};
```

```
int currentS = 1;
```

```
void set_s(int& currentS_) {
```

```
    currentS_ = currentS;
```

```
}
```

```
int virtual SeasonsChange() {
```

```
    currentS += 1;
```

```
};
```

```
int get_S() {
```

```
    return currentS;
```

```

    }
    void check4() {
        if (currentS <= 0) {
            currentS = 4;
        }
    }
    void check1() {
        if (currentS >= 5) {
            currentS = 1;
        }
    }
};

class Seasons :SeasonsBase {
    int SeasonsChange() override {
        currentS += 1;
    }
};

class ReverseSeason : SeasonsBase {
    int SeasonsChange() override {
        currentS -= 1;
    };
};

int main() {
    SeasonsBase set_s;
    int currentS_ = 0;

```

```
set_s.set_s(currentS_);
```

```
cout << currentS_ << endl;
```

```
}
```