

ECEPDS
10/1/2010

<PREFIX>

cannot modify old value

Const

<POSTFIX>

```

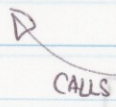
SmallInt& SmallInt::operator++() {
  if (value < MAX) {
    value++;
  }
  else {
    error message;
  }
  return *this;
}

```

```

SmallInt SmallInt::operator++(int) {
  SmallInt old = *this;
  ++(*this);
  return old;
}

```



```
SmallInt s3 = ++s1;
```

```

ostream& operator<< (ostream& os, const SmallInt& s) {
  os << s.value;
  return os;
}

```

```
cout << s1 << s2 << x << endl
```

Cascade

```

SmallInt s2(7);
SmallInt s3 = s2++; // s3 = 7
// s2 = 8 afterwards

```

//works fine if explicit not used

```

SmallInt s2 = s1 + 6; // s1 = 3
           ↓
           int
           ↓
SmallInt (9);

```