

```

class Baker {
    static const int INITIAL_SIZE = 20;
    friend ostream& operator<<(ostream& os, const Baker& baker);
    static const int INITIAL_SIZE = 20;

```

private:

```

    string name;
    Treat** treats;
    size_t size;
    size_t capacity;

```

public:

```

    Baker(const string& name): name(name), treats(nullptr), size(0), capacity(0) {}
    ~Baker()

```

```

    Baker(const Baker& rhs);

```

```

    void bakes(const string& treatName) {

```

```

        if (treats == nullptr) {

```

```

            treats = new Treat*[INITIAL_SIZE];

```

```

            capacity = INITIAL_SIZE;

```

```

        } else if (size == capacity) {

```

```

            Treat** newCollection = new Treat*[capacity*2]

```

```

            for (size_t i=0; i<size; ++i) {

```

```

                newCollection[i] = new Treat(*treats[i]);

```

```

                delete treats[i];

```

```

            }
            treats = newCollection;

```

```

            delete [] treats;

```

```

            capacity *= 2;

```

```

            treats = newCollection;

```

```

        } else {

```

```

            treats[size] = new Treat(treatName);

```

```

            ++size;

```

```

        }

```