
Subject: Re: template + convert problem
Posted by [Didier](#) on Sun, 20 Sep 2009 09:56:50 GMT
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Hi sergey,

The only words template declaration accepts are: 'class' (or typename) and 'int', all other notations are false and will not compile.

class : means anything, any variable, constant, ... whatever you wan't
int : means only literal integer numbers (1, 2, 1110, 0x10, ...) : no variables !!

But in you're case try this

```
template <class TBL ,class ID, class NAME,int CLEARTIME>
struct ConvDict : Convert
{
    virtual Value Format(const Value& q) const {
        if(q.IsNull()) return Null;
        static VectorMap<int, String> dict;
        static Time lastcleartime;
        if(GetSysTime()-lastcleartime > CLEARTIME){
            dict.Clear();
            lastcleartime=GetSysTime();
        }
        int f = dict.Find(int(q));
        if(f >= 0){
            return dict[f];
        } else {
            Sql sql;
            sql * Select(NAME).From(TBL).Where(ID == q);
            String s;
            if(sql.Fetch()) {
                int sid = int(q);
                s = sql[NAME];
                dict.Add(sid, s);
            } else {
                s = "";
            }
            return s;
        }
    }
};
```

I haven't tried it, but at least the declaration is correct
