
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 want

int : means only literal integer numbers (1, 2, 1110, 0x10, ...) : no variables !!

But in your 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