

Format numeric value to currency in T-SQL

<http://yoelsommer.com/2006/04/05/format-numeric-value-to-standard-currency-in-t-sql/>

Recently, I encountered a situation in which I needed to retrieve formatted currency values directly from my database. As rule of thumb, in 95% of all cases, the data should be retrieved as a raw number (with no formatting) and should be formatted in the client application, but in this situation I needed a formatted string.

In most cases a query like this:

```
use AdventureWorks
go
select sum(TotalDue) from Sales.SalesOrderHeader
```

will return: 140707584.8246

In order to resolve this issue I create a small user defined function that formats the values and return it a well formatted currency value.

```
alter function udf_CurrencyFormat (@number money)
returns varchar(100) as
begin
return '$' + convert(varchar, cast(@number as money), 1)
end
```

After deploying this function a query like this:

```
select dbo.udf_CurrencyFormat(sum(TotalDue))
from Sales.SalesOrderHeader
```

Will Return: \$140,707,584.82