



**String Functions**

```

bool substringof(string p0, string p1)
bool endswith(string p0, string p1)
bool startswith(string p0, string p1)
int length(string p0)
int indexof(string arg)
string insert(string p0, int pos, string p1)
string remove(string p0, int pos)
string remove(string p0, int pos, int length)
string replace(string p0, string find, string replace)
string substring(string p0, int pos)
string substring(string p0, int pos, int length)
string tolower(string p0)
string toupper(string p0)
string trim(string p0)
string concat(string p0, string p1)
    
```

**Date Functions**

```

int day(DateTime p0)
int hour(DateTime p0)
int minute(DateTime p0)
int month(DateTime p0)
int second(DateTime p0)
int year(DateTime p0)
    
```

**Math Functions**

```

double round(double p0)
decimal round(decimal p0)
double floor(double p0)
decimal floor(decimal p0)
double ceiling(double p0)
decimal ceiling(decimal p0)
    
```

**Type Functions**

```

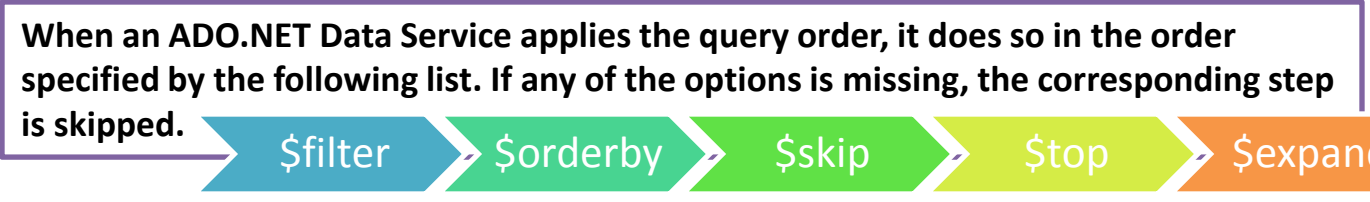
bool isof(type p0)
bool isof(expression p0, type p1)
<p0> cast(type p0)
<p1> cast(expression p0, type p1)
    
```



**Query Expression Functions**

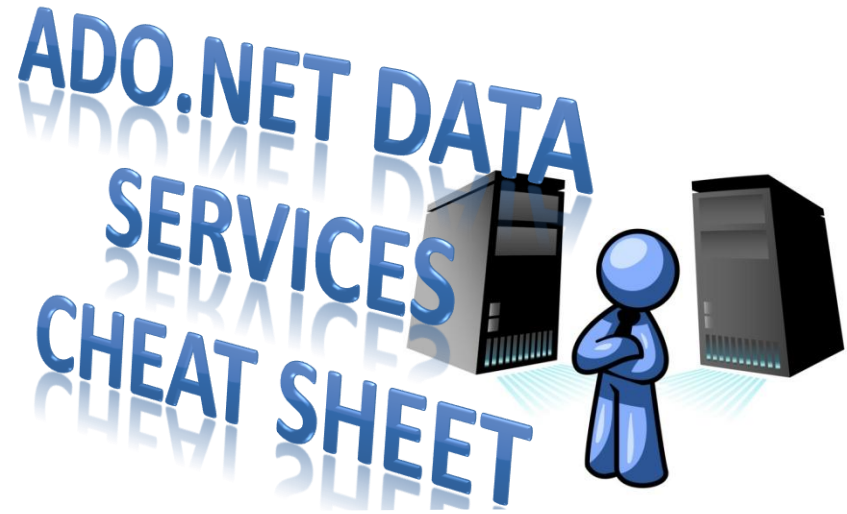
- Example:**
- [http://host/service.svc/Orders?\\$filter=average\(Amount\)](http://host/service.svc/Orders?$filter=average(Amount))
  - [http://host/service.svc/Customers?\\$filter=isof\('Ns.SpecialCustomer'\)](http://host/service.svc/Customers?$filter=isof('Ns.SpecialCustomer'))

**\$filter Example:** [http://host/service.svc/Orders?\\$filter=Name eq 'Fred'](http://host/service.svc/Orders?$filter=Name eq 'Fred')



eq	Equal
ne	Not Equal
lt	Less Than
le	Less Than or Equal
gt	Greater Than
ge	Great Than or Equal

**Comparison Expressions**



(keyPredicate)	Example
This syntax represents the entity type instance whose key is equal to the key predicate and is within the specified entity set.	<a href="http://www.contoso.com/data/service.svc/Customers('ALFKI')">http://www.contoso.com/data/service.svc/Customers('ALFKI')</a>
Example	\$value
<a href="http://www.contoso.com/data/service.svc/Customers('ALFKI')/Address/Name/\$value">http://www.contoso.com/data/service.svc/Customers('ALFKI')/Address/Name/\$value</a>	A URI ending in a property may append a /\$value segment. \$value acts as a dereference operator and indicates that only the value of the property should be returned without additional metadata or surrounding syntax.

**ADO.NET Data Services is a way to expose data in a RESTful way**