



# Amazon SimpleDB (Version 2009-04-15)

## Quick Reference Card

Select Comparison Operators	Operations	
<p><b>=</b> Attribute value equals the specified constant select * from mydomain where city = 'Seattle' select * from mydomain where city = 'Seattle' or city = 'Portland'</p> <p><b>!=</b> Attribute value does not equal the specified constant select * from mydomain where name != 'Al' select * from mydomain where name != 'Al' and name != 'Bob'</p> <p><b>&gt;</b> Attribute value is greater than the specified constant select * from mydomain where weight &gt; '0034'</p> <p><b>&gt;=</b> Attribute value is greater than or equal to the specified constant select * from mydomain where weight &gt;= '065'</p> <p><b>&lt;</b> Attribute value is less than the specified constant select * from mydomain where weight &lt; '0034'</p> <p><b>&lt;=</b> Attribute value is less than or equal to the specified constant select * from mydomain where year &lt;= '2000'</p> <p><b>like</b> Attribute value starts with the specified constant select * from mydomain where author like 'Robert%'</p> <p><b>not like</b> Attribute value does not start with the specified constant select * from mydomain where author not like 'Henry%'</p> <p><b>intersection</b> Determine the intersection of ItemName sets select * from mydomain where firstname = 'John' intersection last name = 'Smith'</p> <p><b>between</b> Attribute value falls within a range select * from mydomain where year between '1998' and '2000'</p> <p><b>is null</b> Attribute does not exist. If an item has the attribute with an empty string, it is not returned. select * from mydomain where year is null</p> <p><b>is not null</b> Attribute value contains any value select * from mydomain where year is not null</p> <p><b>every()</b> For multi-valued attributes, every attribute value must satisfy the constraint select * from mydomain where every(keyword) = 'Book' select * from mydomain where every(keyword) like '***%'</p>	<p><b>CreateDomain</b> <b>Request includes:</b></p> <ul style="list-style-type: none"><li>• DomainName (3-255 characters, alphanumeric characters and hyphens allowed) — required</li></ul> <p><b>Response includes:</b></p> <ul style="list-style-type: none"><li>• Basic response information</li></ul>	<p><b>PutAttributes</b> <b>Request includes:</b></p> <ul style="list-style-type: none"><li>• Attribute.X.Name (max 1024 bytes) — required</li></ul> <p>• Attribute.X.Value max 1024 bytes) — required</p> <p>• ItemName (1024 bytes, max 256 name-value pairs per item) — required</p> <ul style="list-style-type: none"><li>• Attribute.X.Replace — optional</li><li>• DomainName (valid domain name that is owned by the account) — required</li><li>• Expected.X.Name (max 1024 bytes) — conditional</li></ul> <p>• Expected.X.Value (max 1024 bytes) — conditional</p> <p>• Expected.X.Exists — conditional</p> <p><b>F Ygdonse includes:</b></p> <ul style="list-style-type: none"><li>• Basic response information</li></ul>
Operations	<p><b>ListDomains</b> <b>Request includes:</b></p> <ul style="list-style-type: none"><li>• MaxNumberOfDomains (1-100, default 100) — optional</li><li>• NextToken (1-100) — optional</li></ul> <p><b>Response includes:</b></p> <ul style="list-style-type: none"><li>• Zero or more DomainName elements</li></ul>	<p><b>DomainMetadata</b> <b>Request includes:</b></p> <ul style="list-style-type: none"><li>• DomainName (valid domain name that is owned by the account) — required</li></ul> <p><b>Response includes:</b></p> <ul style="list-style-type: none"><li>• CreationDateTime, TimeStamp, ItemCount, AttributeValueCount, AttributeNameCount, ItemNamesSizeBytes, AttributeValuesSizeBytes, AttributeNamesSizeBytes</li></ul>
<p><b>BatchPutAttributes</b> <b>Request includes:</b></p> <ul style="list-style-type: none"><li>• Item.X.Name (max 1024 bytes, max 256 name-value pairs per item, 25 items per operation) — required</li></ul> <p>• Attribute.X.Name (max 1024 bytes) — required</p> <ul style="list-style-type: none"><li>• Attribute.X.Value (max 1024 bytes) — required</li><li>• Attribute.X.Replace — optional</li><li>• DomainName (valid domain name that is owned by the account) — required</li></ul> <p><b>Response includes:</b></p> <ul style="list-style-type: none"><li>• Basic response information</li></ul>	<p><b>DeleteAttributes</b> <b>Request includes:</b></p> <ul style="list-style-type: none"><li>• ItemName — required</li><li>• Attribute.X.Name — optional</li><li>• Attribute.X.Value — optional</li><li>• Expected.X.Name (max 1024 bytes) — conditional</li><li>• Expected.X.Value (max 1024 bytes) — conditional</li><li>• Expected.X.Exists — conditional</li><li>• DomainName (valid domain name that is owned by the account) — required</li></ul> <p><b>Response includes:</b></p> <ul style="list-style-type: none"><li>• Basic response information</li></ul>	<p><b>Select</b> <b>Request includes:</b></p> <ul style="list-style-type: none"><li>• SelectExpression — required</li><li>• ConsistentRead — optional</li><li>• NextToken — optional</li></ul> <p><b>Response includes:</b></p> <ul style="list-style-type: none"><li>• Item, Name, and Value of the attribute: &lt;Item&gt;   &lt;Name&gt;...&lt;/Name&gt;   &lt;Attribute&gt;&lt;Name&gt;...&lt;/Name&gt;   &lt;Value&gt;...&lt;/Value&gt;&lt;/Attribute&gt;   ... &lt;/Item&gt;</li><li>• NextToken</li></ul>
		<p><b>GetAttributes</b> <b>Request includes:</b></p> <ul style="list-style-type: none"><li>• ItemName — required</li><li>• AttributeName — optional</li><li>• ConsistentRead — optional</li><li>• DomainName (valid domain name that is owned by the account) — required</li></ul> <p><b>Response includes:</b></p> <ul style="list-style-type: none"><li>• Name of the attribute and value: &lt;Attribute&gt;&lt;Name&gt;...&lt;/Name&gt; &lt;Value&gt;...&lt;/Value&gt;&lt;/Attribute&gt;</li></ul>