

# Cheatography

## Sitecore Search Developers Cheat Sheet

by Kiran Patil (kpatil) via cheatography.com/20093/cs/2946/

| Basics          |                                     | Basics (cont)   |   | Supported IQueryable methods (cont)                     |  |   |
|-----------------|-------------------------------------|---|---|---|--|---|
| Terms & Phrases | "test" or "-hello dolly"            | c.Where("test") Boolean<br>And<br>c.Where("dolly") Boolean                          | "jakarta" where c.Equivalence("jakarta")<br>Apache where c.Equivalence("Apache")<br>Lucene" where c.Equivalence("Lucene")           | Part of Page   "jakarta" Equals (querying)<br>Operators | Page   "jakarta" Equals (querying)<br>Operators    | Part of Page   "jakarta" Equals (querying)<br>Operators |
| Fields          | title:"The Right way" and text:"go" | c.Title == "The Right way" or c.Text == "go" AND c.Text == "go"                     | Apache where c.Equivalence("Apache")<br>Lucene" where c.Equivalence("Lucene")   | Ordering go OrderBy<br>Operators                        | Ordering go OrderBy<br>Operators                   | results = queryable                                     |
| WildCard        | amber                               | c.ContactName.Contains("amber")   | "jakarta" where c.Equivalence("jakarta")<br>Apache where c.Equivalence("Apache")<br>NOT "-amber" where c.Equivalence("NOT "-amber") | Ordering<br>Operators                                   | Ordering<br>Operators                              | results = queryable                                     |
| Prefix          | amber                               | c.ContactName.StartsWith("amber") or c.ContactName.EndsWith("amber")                | "jakarta" where c.Equivalence("jakarta")<br>Apache where c.Equivalence("Apache")<br>Lucene" where c.Equivalence("Lucene")           | Ordering ThenBy<br>Operators                            | Ordering ThenBy<br>Operators                       | results = queryable                                     |
| Fuzzy           | roam or roam0.8                     | c.ContactName.Like("roam") or c.ContactName.Like("roam0.8")                         | "jakarta" where (c.Title == "jakarta"    c.Title == "apache")<br>OR<br>"site" where (c.Title == "site")                             | Grouping<br>Operators                                   | Grouping<br>Operators                              | results = queryable                                     |
| Proximity       | "jakarta apache"~10                 | c.ContactName.Like("jakarta apache ", 10)   | "jakarta apache website" where (c.Title == "jakarta" & c.Title == "apache")   | Ordering<br>Operators                                   | Ordering<br>Operators                              | results = queryable                                     |
| Inclusive Range | mod_date:[20-020101 TO 20030101]    | c.ModifiedDate.Between("20020101", "20030101")                                      | var results = from d in queryable where d.Name == "S" & d; var results = from d in queryable where d.Name == "S" & d;               | Set, Inclusion<br>Operators                             | Unsupp-<br>orted                                   | Distinct Union Inte                                     |
| Exclusive Range | title:{Aida TO Carmen}              | c.Title.Between("Aida", "Carmen")   | var results = from d in queryable select d.Name; or var results = from d in queryable select d.Name; or va                          | Restriction<br>Projection<br>Operators                  | Element First<br>Element Simple<br>Element First - | Both<br>Element<br>Element<br>results = quer            |
| Boosting        | jakarta^4 apache                    | c.Title.Boost(4).Where("jakarta apache")  | SelectMany  | Simple  | Unsupp-<br>orted                                   | results = quer  |
| Boolean Or      | "jakarta apache" OR jakarta         | where c.Title.Boost(4).Where("jakarta apache")    c.Title.Boost(1).Where("jakarta") | Take 10; results = queryable.Take(10);  | Element FirstOrDe-<br>fault<br>Condition                | Partitioning<br>Operators                          | results = quer  |
|                 |                                     |   | Skip 10; results = queryable.Skip(10);  | Condition   | Partitioning<br>Operators                          | co re");  |



By Kiran Patil (kpatil)  
cheatography.com/kpatil/

sitecorebasics.wordpress.com/

Published 29th November, 2014.  
Last updated 11th May, 2016.  
Page 1 of 4.

Sponsored by **Readable.com**  
Measure your website readability!  
<https://readable.com>

# Cheatography

## Sitecore Search Developers Cheat Sheet by Kiran Patil (kpatil) via cheatography.com/20093/cs/2946/

| Supported IQueryable methods (cont) |                 | IQueryable Extensions  | IQueryable Extensions (cont) |
|-------------------------------------|-----------------|--|------------------------------|
| Element Operators                   | ElementAt       | results = queryable.ElementAt(1);  | Filtering                    |
| Element Operators                   | Last            | 'result = queryable.Last();' or result = queryable.Last(d => d.Id > 10);                     | Facets Simple Pivot          |
| Element Operators                   | LastOrDefault   | result = queryable.LastOrDefault(d => d.Id > 10);  | Faceting                     |
| Element Operators                   | Single          | result = queryable.Single(); or result = queryable.Single(d => d.Id > 10);                   | Boosting                     |
| Element Operators                   | SingleOrDefault | result = queryable.SingleOrDefault(); or result = queryable.SingleOrDefault(d => d.Id > 10); | Default                      |
| Quantifiers                         | Any - Simple    | results = queryable.Any();   | ResultsSelector              |
| Quantifiers                         | Any - Grouped   | results = queryable.Any(d => d.Name == "Sitecore");  | Aggregate                    |
| Quantifiers                         | Unsupported     | All  | Count - Simple               |
| Aggregate Operators                 | Count - Simple  | results = queryable.Count();   | Count - Conditional          |
| Aggregate Operators                 | Unsupported     | Sum Min Max Average Aggregate  | Group Join                   |
| Join Operators                      | Unsupported     | Cross Join Group Join Cross Join with Group Join Left Outer Join                             | Join                         |



By **Kiran Patil** (kpatil)  
[cheatography.com/kpatil/](http://cheatography.com/kpatil/)

Published 29th November, 2014.  
Last updated 11th May, 2016.  
Page 2 of 4.

[sitecorebasics.wordpress.com/](http://sitecorebasics.wordpress.com/)

Sponsored by **Readable.com**  
Measure your website readability!  
<https://readable.com>

# Cheatography

## Sitecore Search Developers Cheat Sheet by Kiran Patil (kpatil) via cheatography.com/20093/cs/2946/

### IQueryable Extensions (cont)

|            |                       |   |
|------------|-----------------------|---|
| Other      | MatchW<br>ildcard     | results = querya<br>ble.Wh ere(i => i.Temp lat e.L ike ("Sitecore"));   |
| Other      | Like                  | results = querya<br>ble.Wh ere(d => !d.Nam e.S tar tsW ith ("He llo "));  |
| Other      | string.St<br>artsWith | something<br>your<br>provider<br>unders-  |
| Other      | string.En<br>dsWith   | ble.Wh ere(d => !d.Nam e.E nds Wit h("H ell o"));<br>Finding contex t.G etQ uer yab le<br>the first<br>item named<br>Sitecore emp late, 0).Get Fac ets();           |
| GetResults |                       | results = querya<br>ble.Wh ere(i => i.Score > 0.6);<br>example,   |
| GetFacets  |                       | for Lucene<br>it is<br>converted<br>to:<br>+(_na-<br>me:sit-<br>ecore)+<br>(title:test<br>body:cms)<br>or (+(_n-<br>ame:si-<br>ecore)+<br>(title:test<br>body:cms)) |

### Daily Life usages (cont)

|         |  |  |
|---------|--|--|
| This    | using (var context = ContentSe archMa nag er.G et Ind ex( item )); | Find all items in the index  |
| returns | e(item => item.Name == "Sitecore")                                 | the items that have "Sitecore"   |
| the     |  | the items that have "Sitecore" in their names  |
| results |  | names  |
| of a    |  | the first  |
| query   |  | item   |
| on      |  | named  |
| your    |  | Sitecore emp late, 0).Get Fac ets();   |
| search  |  | Finding contex t.G etQ uer yab le  |
| index   |  | the count  |
| and     |  | of items   |
| returns |  | in a database  |
| it as a |  | +(_na-<br>me:sit-<br>ecore)+<br>(title:test<br>body:cms)<br>or (+(_n-<br>ame:si-<br>ecore)+<br>(title:test<br>body:cms)) |
| Search  |  | all the items that use a certain template  |
| Res-    |  | same thing as above  |
| ultItem |  | but this time  |
| type.   |  | using the template id  |

### Daily Life usages (cont)

|  |  |
|--|--|
| the items  | tem =>r esu ltI tem.Na m   |
| that have  | "Sitecore");<br>"s" in   |
| their  | their  |
| names  | names  |
| the first  | context.G etQ uer yab le   |
| item   | the first item   |
| named  | named  |
| Sitecore emp late, 0).Get Fac ets();   | Sitecore emp late, 0).Get Fac ets();   |
| Finding contex t.G etQ uer yab le  | Finding contex t.G etQ uer yab le  |
| the count  | the count  |
| of items   | of items   |
| in a   | in a   |
| database   | database   |
| +(_na-<br>me:sit-<br>ecore)+<br>(title:test<br>body:cms)<br>or (+(_n-<br>ame:si-<br>ecore)+<br>(title:test<br>body:cms)) | +(_na-<br>me:sit-<br>ecore)+<br>(title:test<br>body:cms)<br>or (+(_n-<br>ame:si-<br>ecore)+<br>(title:test<br>body:cms)) |
| all the items  | all the items  |
| that use   | that use   |
| a certain  | a certain  |
| template   | template   |
| same thing as above  | same thing as above  |
| but this time  | but this time  |
| using the template id  | using the template id  |
| find all items   | find all items   |
| that have some content in the "Page Title" field   | that have some content in the "Page Title" field   |
| find all items that have lorem in the body   | find all items that have lorem in the body   |

### Daily Life usages

This using (var context = ContentSe archMa nag er.G et Ind ex( item ));  
returns e(item => item.Name == "Sitecore")  
the results of a query on your search index and returns it as a Search Result type.

Published 29th November, 2014.  
Last updated 11th May, 2016.  
Page 3 of 4.



By Kiran Patil (kpatil)  
cheatography.com/kpatil/

sitecorebasics.wordpress.com/

Sponsored by [Readable.com](#)  
Measure your website readability!  
<https://readable.com>

# Cheatography

## Sitecore Search Developers Cheat Sheet by Kiran Patil (kpatil) via cheatography.com/20093/cs/2946/

### Daily Life usages (cont)

finding an item where item.F-fields["-Taxonomy Items"] // is a multi list field and contains "{01-642-4DF-86-5C--49DC-9D7A-4-0EB-810-1C7-17}"

Find items based on Data Source string

### Advanced Usages (cont)

To get all the details related to search index like IsClean, LastUpdated, Number-OfDocuments,-Number-OfFields

The \_content field aggregates all fields from the item to allow full text

searching query(context, To do your index field configuration

### Advanced Usages

Get Particular template's item for current website and latest version of an item only



By Kiran Patil (kpatil)  
cheatography.com/kpatil/

sitecorebasics.wordpress.com/

Published 29th November, 2014.  
Last updated 11th May, 2016.  
Page 4 of 4.

Sponsored by **Readable.com**  
Measure your website readability!  
<https://readable.com>