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| 1 | **hash == other\_hash**  Tests whether two hashes are equal, based on whether they have the same number of key-value pairs, and whether the key-value pairs match the corresponding pair in each hash. |
| 2 | **hash.[key]**  Using a key, references a value from hash. If the key is not found, returns a default value. |
| 3 | **hash.[key] = value**  Associates the value given by *value* with the key given by *key*. |
| 4 | **hash.clear**  Removes all key-value pairs from hash. |
| 5 | **hash.default(key = nil)**  Returns the default value for *hash*, nil if not set by default=. ([] returns a default value if the key does not exist in *hash*.) |
| 6 | **hash.default = obj**  Sets a default value for *hash*. |
| 7 | **hash.default\_proc**  Returns a block if *hash* was created by a block. |
| 8 | **hash.delete(key) [or]**  **array.delete(key) { |key| block }**  Deletes a key-value pair from *hash* by *key*. If block is used, returns the result of a block if pair is not found. Compare *delete\_if*. |
| 9 | **hash.delete\_if { |key,value| block }**  Deletes a key-value pair from *hash* for every pair the block evaluates to *true*. |
| 10 | **hash.each { |key,value| block }**  Iterates over *hash*, calling the block once for each key, passing the key-value as a two-element array. |
| 11 | **hash.each\_key { |key| block }**  Iterates over *hash*, calling the block once for each key, passing *key*as a parameter. |
| 12 | **hash.each\_key { |key\_value\_array| block }**  Iterates over *hash*, calling the block once for each *key*, passing the *key* and *value* as parameters. |
| 13 | **hash.each\_key { |value| block }**  Iterates over *hash*, calling the block once for each *key*, passing *value* as a parameter. |
| 14 | **hash.empty?**  Tests whether hash is empty (contains no key-value pairs), returning *true* or *false*. |
| 15 | **hash.fetch(key [, default] ) [or]**  **hash.fetch(key) { | key | block }**  Returns a value from *hash* for the given *key*. If the *key* can't be found, and there are no other arguments, it raises an *IndexError*exception; if *default* is given, it is returned; if the optional block is specified, its result is returned. |
| 16 | **hash.has\_key?(key) [or] hash.include?(key) [or]**  **hash.key?(key) [or] hash.member?(key)**  Tests whether a given *key* is present in hash, returning *true* or *false*. |
| 17 | **hash.has\_value?(value)**  Tests whether hash contains the given *value*. |
| 18 | **hash.index(value)**  Returns the *key* for the given *value* in hash, *nil* if no matching value is found. |
| 19 | **hash.indexes(keys)**  Returns a new array consisting of values for the given key(s). Will insert the default value for keys that are not found. This method is deprecated. Use select. |
| 20 | **hash.indices(keys)**  Returns a new array consisting of values for the given key(s). Will insert the default value for keys that are not found. This method is deprecated. Use select. |
| 21 | **hash.inspect**  Returns a pretty print string version of hash. |
| 22 | **hash.invert**  Creates a new *hash*, inverting *keys* and *values* from *hash*; that is, in the new hash, the keys from *hash* become values and values become keys. |
| 23 | **hash.keys**  Creates a new array with keys from *hash*. |
| 24 | **hash.length**  Returns the size or length of *hash* as an integer. |
| 25 | **hash.merge(other\_hash) [or]**  **hash.merge(other\_hash) { |key, oldval, newval| block }**  Returns a new hash containing the contents of *hash* and *other\_hash*, overwriting pairs in hash with duplicate keys with those from *other\_hash*. |
| 26 | **hash.merge!(other\_hash) [or]**  **hash.merge!(other\_hash) { |key, oldval, newval| block }**  Same as merge, but changes are done in place. |
| 27 | **hash.rehash**  Rebuilds *hash* based on the current values for each *key*. If values have changed since they were inserted, this method reindexes *hash*. |
| 28 | **hash.reject { |key, value| block }**  Creates a new *hash* for every pair the *block* evaluates to *true* |
| 29 | **hash.reject! { |key, value| block }**  Same as *reject*, but changes are made in place. |
| 30 | **hash.replace(other\_hash)**  Replaces the contents of *hash* with the contents of *other\_hash*. |
| 31 | **hash.select { |key, value| block }**  Returns a new array consisting of key-value pairs from *hash* for which the *block* returns *true*. |
| 32 | **hash.shift**  Removes a key-value pair from *hash*, returning it as a two-element array. |
| 33 | **hash.size**  Returns the *size* or length of *hash* as an integer. |
| 34 | **hash.sort**  Converts *hash* to a two-dimensional array containing arrays of key-value pairs, then sorts it as an array. |
| 35 | **hash.store(key, value)**  Stores a key-value pair in *hash*. |
| 36 | **hash.to\_a**  Creates a two-dimensional array from hash. Each key/value pair is converted to an array, and all these arrays are stored in a containing array. |
| 37 | **hash.to\_hash**  Returns *hash* (self). |
| 38 | **hash.to\_s**  Converts *hash* to an array, then converts that array to a string. |
| 39 | **hash.update(other\_hash) [or]**  **hash.update(other\_hash) {|key, oldval, newval| block}**  Returns a new hash containing the contents of *hash* and *other\_hash*, overwriting pairs in *hash* with duplicate keys with those from *other\_hash*. |
| 40 | **hash.value?(value)**  Tests whether *hash* contains the given *value*. |
| 41 | **hash.values**  Returns a new array containing all the values of *hash*. |
| 42 | **hash.values\_at(obj, ...)**  Returns a new array containing the values from *hash* that are associated with the given key or keys. |