

**Variable Scopes**

variables, form, url, attributes, caller, ThisTag, request, CGI, client, session, application, server, flash, arguments, this

**Variable Declaration**

```
<cfset scope.var_name = value>  
<cfparam name="variable" default="value" type="data_type">
```

**Variable Output**

```
<cfoutput>#variable#</cfoutput>
```

**Comments**

```
<!-- Comment -->
```

**Comparison Operators**

IS, EQUAL, EQ, LT, LESS THAN, LTE, LE, LESS THAN OR EQUAL TO, GT, GREATER THAN, GTE, GE, GREATER THAN OR EQUAL TO, IS NOT, NEQ, NOT EQUAL, CONTAINS, DOES NOT CONTAIN

**Arithmetic Operators**

+ (Addition), - (Subtraction), \* (Multiplication), / (Division), MOD (Modulus), \ (Divide Integers), ^ (Exponent)

**String Operator**

& (Concatenates Strings)

**Include & Redirect**

```
<cfinclude template = "template_name">  
<cflocation url="url" addtoken="yes/no">
```

**If Statement**

```
<cffif expression>  
  statement  
<cfelseif expression>  
  statement  
<cfelse>  
  statement  
</cffif>
```

**Inline If**

```
#If(condition, string_if, string_else)#
```

**Switch/Case Statement**

```
<cfswitch expression="#variable#">  
  <cfcase value="10">  
    <cfset grade="A">  
  </cfcase>  
  <cfcase value="9;8" delimiters=";">  
    <cfset grade="B">  
  </cfcase>  
  <cfdefaultcase>  
    <cfset grade="F">  
  </cfdefaultcase>  
</cfswitch>
```

**Index Loop**

```
<cfloop  
  index = "parameter_name"  
  from = "beginning_value"  
  to = "ending_value"  
  step = "increment">  
  ... HTML or CFML code ...  
</cfloop>
```

**Conditional Loop**

```
<cfloop condition = "expression"> ...  
</cfloop>
```

**Database Query**

```
<cfquery name = "query_name"  
  dataSource = "ds_name">  
  ...  
</cfquery>
```

**Query Loop**

```
<cfloop  
  query = "query_name"  
  startRow = "row_num"  
  endRow = "row_num">  
  ...  
</cfloop>
```

**Output Query Loop**

```
<cfoutput query="query">...</cfoutput>
```

**Dump Variable Contents**

```
<cfdump variable="#variable#">
```

**Components & Functions**

```
<cfcomponent  
  extends = "anotherComponent"  
  output = "yes" or "no"  
  displayName = "text string"  
  hint = "text string">  
  variable declarations  
  <cffunction  
    name = "methodName"  
    returnType = "data Type"  
    roles = "securityRoles"  
    access = "methodAccess"  
    output = "yes" or "no"  
    displayName = "name">  
    <cfargument name="value"  
      type="data_type"  
      required="yes/no"  
      default="value">  
    ...  
    <cfreturn variable>  
  </cffunction>  
</cfcomponent>
```

**Commonly Used Functions**

ArrayNew(dimension)	ArrayAvg(array)
ArrayLen(array)	ArraySum(array)
ArrayAppend(array, value)	Ceiling(number)
ArrayToList(array)	Exp(number)
ListToArray(array)	Max(number1, number2)
LCASE(string)	Min(number1, number2)
UCASE(string)	PI()
Find(substring, string)	Round(number)
Left(string, count)	
Mid(string, start, count)	<b>CGI Variables</b>
Right(string, count)	CGI.SERVER_NAME
StripCR(string)	CGI.SCRIPT_NAME
CreateDate(year, month, day)	CGI.QUERY_STRING
DateFormat("date", "mask")	
Now()	<b>CFQuery Variables</b>
isArray(value, number)	query.RecordCount
isDate(string)	query.CurrentRow
isDefined('variable')	query.ColumnList
isStruct(variable)	
Evaluate(expression_1, expression_2,...)	
CreateObject("component", "path.to.component")	
ValueList(query.column)	