```
001   <#
002   .NOTES
003     File Name:  Create-PSListing.ps1
004     Version:   2.0 - 03/25/2024
005     Requires: Powershell V5+
006     Author:    Randy Turner
007     Email:     turner.randy21@yahoo.com
008     Created:   03/08/2016
009     Based Upon: Copy-ToPrinter.ps1 by Karl Mitschke
010     Revision History:
011       V2.0 - 03/25/2024 - Merged in Create-TokenReport.ps1 V1.0 functions
012       V1.9 - 02/01/2022 - Added Support for VS Code Editor like that of the ISE
013       V1.8 - 01/24/2022 - Added Validate-ScriptType to simplify code
014       V1.7 - 08/02/2020 - Added Do-While for Remove-Item, of Temp File for large file support.
015       V1.6 - 09/17/2019 - Added Temp file clean-up when -OpenInWebBrowser & -OutputToTemp are paired.
016       V1.5a - 10/19/2018
017         - added support for .psm1 files
018         - only allow supported types
019         - support unsaved "UntitledN.ps1*" files in ISE
020         - added option to output to a temporary file when used with -OpenInWebBrowser
021
022   .SYNOPSIS
023     Converts the current script from the ISE\VSCode Editor or a file passed by the Path parameter
024     from the console to an HTML file. Version 2+ will produce a Powershell Token report for
025     ps1 & psm1 files similar to a Cross-Reference report for other programming languages.
026
027   .DESCRIPTION
028     This script converts a PowerShell script to an HTML file in the same location as the original scrip
029     optionally in the directory defined by the $env:Temp value when output is displayed in the default
030     This will allow printing a PowerShell listing from any application that supports printing HTML
031     eliminating the dependence of Copy-ToPrinter upon IE which is no longer supported by Microsoft.
032     Version 2.0 adds the ability to alternatly\additionally produce a Token report for ps1 & psm1
033     files similar to a Cross-Reference report for other programming languages. This combines the
034     functionality of eariler versions of Create-PSListing.ps1 & Create-TokenReport.ps1 into a single sc
035     This script uses the Powershell parser to Tokenize an input script to produce a report.
036     When producing a token-only report the output file name has '_Tokens' appended before the file exte
037
038     --------------------------------------------------------------------------------------
039   Security Note: This is an unsigned script, Powershell security may require you run the
040   Unblock-File cmdlet with the Fully qualified filename before you can run this script,
041   assuming PowerShell security is set to RemoteSigned.
042     --------------------------------------------------------------------------------------
043
044   .PARAMETER Path
045     Fully Qualyfied Script Name.
046   .PARAMETER Mode
047     Mode of operation, may be Listing, Tokens, or Both.
048   .PARAMETER FontSize - Alias: Fs
049      Listing font size to be used, between 10-24 points, default: 16.
050   .PARAMETER TabWidth - Alias: Tw
051     Tab Expansion Width (2,4,6,8), default: 4.
052   .PARAMETER LineNoWidth - Alias: Lw
053     Listing Line Number Width (3 thru 8), default: 4.
054   .PARAMETER OutputTo - Alias: Out
055     Optional, Token report Output Target\Type - Specfies the target device or Raw Output to default dev
056   .PARAMETER MaxContentLength - Alias: Max
057     Optional, Specifies Token report max comment length to output, default: 50
058   .PARAMETER ShowComments - Alias: ICT
059     Optional, Token report Switch causes Comment type tokens to be included.
060   .PARAMETER ShowStart - Alias: SS
061     Optional, Token report Switch shows the 'Start' property for the "Script Buffer Offset"
062   .PARAMETER OpenInWebBrowser - Alias: O
063     Opens the output HTML file in the default web browser.
064   .PARAMETER OutputToTemp - Alias: T
065     When used with -OpenInWebBrowser outputs to a temporary file.
```

```
066    .INPUTS
067      Requires a file be open in the ISE\VS-Code, or a file path and name passed to the Path parameter.
068    .OUTPUTS
069      This script outputs a formatted HTML file (<ScriptName>.htm) of the script with line numbers.
070    .EXAMPLE
071      .\Create-PSListing.ps1 -Mode Both
072      Creates listing of the current PowerShell ISE\VS-Code Editor tab with a token report.
073    .EXAMPLE
074      .\Create-PSListing.ps1 -Path C:\scripts\Find-EmptyGroups.ps1
075      Creates listing file: C:\scripts\Find-EmptyGroups.htm.
076    .EXAMPLE
077      .\Create-PSListing.ps1 -Path C:\scripts\Find-EmptyGroups.ps1 -Mode Tokens -OutputTo HTML
078      Creates token report file: C:\scripts\Find-EmptyGroups_Tokens.htm.
079    .EXAMPLE
080      Get-ChildItem -Path C:\scripts\Find-DisabledMailbox.ps1|.\Create-PSListing.ps1 -Mode Both
081      Creates an HTML file: C:\scripts\Find-DisabledMailbox.htm, with both a listing and token report.
082    #>
083
084    [CmdletBinding()]
085    param(
086      [Parameter(
087        Position = 0,
088        ValueFromPipeline,
089        HelpMessage = 'The path of the input file')][String]$Path,
090      [Parameter(
091        HelpMessage = 'Mode of Operation')]
092        [ValidateNotNullOrEmpty()]
093        [ValidateSet('Listing','Tokens','Both')][String]$Mode = 'Listing',
094      [Parameter(HelpMessage = 'Listing HTML Font Size')][Alias('Fs')]
095        [ValidateNotNullOrEmpty()]
096        [ValidateRange(10,24)]
097        [UInt32]$FontSize = 16,
098      [Parameter(HelpMessage = 'Tab Expansion Width')][Alias('Tw')]
099        [ValidateNotNullOrEmpty()]
100        [ValidateSet(2,4,6,8)]
101        [UInt32]$TabWidth = 4,
102      [Parameter(HelpMessage = 'Listing Line# Width')][Alias('Lw')]
103        [ValidateNotNullOrEmpty()]
104        [ValidateRange(2,8)]
105        [UInt32]$LineNoWidth = 4,
106      [Parameter(HelpMessage = 'Token Report Output Target, Raw Outputs Unfiltered Native Tokens')][Alias
107        [ValidateNotNullOrEmpty()]
108        [ValidateSet('File','GridView','Host','Html','Raw')][String]$OutputTo = 'File',
109      [Parameter(HelpMessage = 'Token Report Maximum Comment Length')][Alias('Max')]
110        [ValidateNotNullOrEmpty()]
111        [ValidateRange(10,100)][UInt32]$MaxContentLength = 50,
112      [Parameter(HelpMessage = 'Token Report Include Comment Type?')][Alias('ICT')][Switch]$ShowComments,
113      [Parameter(HelpMessage = 'Token Report Include Start Property?')][Alias('SS')][Switch]$ShowStart,
114      [Parameter(HelpMessage = 'Opens output file in default web browser')][Alias('O')]
115        [switch]$OpenInWebBrowser,
116      [Parameter(HelpMessage = 'When Used with -OpenInWebBrowser Outputs file to Temp Directtory')][Alias
117        [switch]$OutputToTemp)
118
119    #Set-StrictMode -Version 5
120    Add-Type -Assembly System.Web
121
122    #region Custom Enums
123    Enum ModeOfOperation{
124      Listing
125      Tokens
126      Both
127    }
128    Enum TokenReportOutput{
129      File
130      GridView
131      Host
```

```powershell
132      Html
133      Raw
134  }
135  #endregion
136
137  #region Script Parameter Variables
138  $P = @(0,1,2)
139  $P[0] = ($MyInvocation.MyCommand).Parameters
140  $P[1] = $P[0]['Mode'].Attributes.ValidValues
141  $P[2] = $P[0]['OutputTo'].Attributes.ValidValues
142  $My = [PSCustomObject][Ordered]@{
143    Name = ($MyInvocation.MyCommand).Name
144    Params = $P[0]
145    Modes = $P[1]
146    Outputs = $P[2]
147    ModeIdx = [Array]::IndexOf($P[1],$Mode)
148    OutputIdx = [Array]::IndexOf($P[2],$OutputTo)}
149  # HTML required for combined report
150  if($My.ModeIdx -eq [ModeOfOperation]::Both){$OutputTo = 'Html'}
151  RV -Name P
152  #endregion
153
154  #region Script Variables
155  $AppVersion = '2.0'
156  $psISEHost = 'Windows PowerShell ISE Host'
157  $VSCodeHost = 'Visual Studio Code Host'
158  $ReportName = 'Powershell Token Report'
159  $MatchStr = '\.psm?1$'
160  $RVStr = @('.psm*1','_Tokens.txt','\*$','','_Tokens.htm')
161  $ErrMsg = @(' only supports .ps1 and .psm1 files',' requires a .ps1 or .psm1 input file')
162  $LineNo = 1
163  $LineNoFormat = -join('{0:',('0' * $LineNoWidth),'}<BR/>')
164  $HtmlFont = -join('font-family:Consolas,Lucida Console; font-size:',$FontSize,'pt;')
165  $OutName = ''
166  $ScriptName = ''
167  $ScriptPath = ''
168  $Text = ''
169  $RawTokens = ''
170  $Tokens = ''
171  $TokenColors = @{
172  'Attribute' = 67
173  'Command' = 37
174  'CommandArgument' = 38
175  'CommandParameter' = 123
176  'Comment' = 53
177  'GroupEnd' = 35
178  'GroupStart' = 35
179  'Keyword' = 49
180  'LineContinuation' = 35
181  'LoopLabel' = 49
182  'Member' = 35
183  'NewLine' = 35
184  'Number' = 140
185  'Operator' = 68
186  'Position' = 35
187  'StatementSeparator' = 35
188  'String' = 59
189  'Type' = 158
190  'Unknown' = 35
191  'Variable' = 43
192  }
193  #endregion
194
195  #region Utility Functions
196  function Expand-Tabs{
197  param(
```

```powershell
198      [Parameter(
199        Position = 0,
200        ValueFromPipeline,
201        Mandatory)][Alias('In')]
202        [String]$InputStr,
203      [Parameter(
204        Position = 1)][Alias('Tw')]
205        [UInt32]$TabWidth = 8)
206
207  $Block = ''
208  $EOL = $False
209  $Lines = $InputStr -split "`r`n"
210
211  foreach($Line in $Lines){
212    while($EOL -eq $False){
213      $I = $Line.IndexOf("`t")
214      if($I -eq -1){$EOL = $True;break}
215      $Pad = if($TabWidth -gt 0){
216        ' ' * ($TabWidth - ($I % $TabWidth))}
217      else{''}
218      $Line = $Line -replace "^([^\t]{$I})\t(.*)$","`$1$Pad`$2"}
219    $Block += '{0}{1}' -f $Line,"`r`n"
220    $EOL = $False}
221  return $Block
222  }
223
224  function Remove-TempFile{
225    param(
226      [Parameter(Position = 0,Mandatory,ValueFromPipeline)][String]$Path,
227      [Parameter(Position = 1)][Alias('DS')][Int]$DelaySeconds = 5)
228    #Do-While to force wait for large files
229    Do{ Start-Sleep -Seconds $DelaySeconds
230      Remove-Item -LiteralPath $Path -ErrorAction SilentlyContinue}
231    While(Test-Path -LiteralPath $Path)
232  }
233
234  function Validate-ScriptType{
235    param([Int]$Index)
236    switch($Index){
237      0 {if($ScriptPath -NotMatch $MatchStr){$E=1}}
238      1 {$E=1}
239    }
240    if($E -eq 1){
241      Write-Error -Exception (-join ($My.Name,$ErrMsg[$Index]))
242      Exit(1)}
243  }
244
245  function Select-InputFile{
246    if($Path.Length -eq 0){
247      switch($Host.Name){
248        $PSIseHost{
249          $Script:ScriptName = $psISE.CurrentFile.DisplayName
250          $Script:ScriptPath = $psISE.CurrentFile.FullPath
251          Validate-ScriptType 0
252          $Script:Text = if($psISE.CurrentFile.Editor.SelectedText.Length -eq 0){
253              $psISE.CurrentFile.Editor.Text}
254            else{
255              $psISE.CurrentFile.Editor.SelectedText}}
256        $VSCodeHost{
257          $PSEContext = $PSEditor.GetEditorContext()
258          $Script:ScriptPath = $PSEContext.CurrentFile.Path
259          $Script:ScriptName = Split-Path -Path $ScriptPath -Leaf
260          Validate-ScriptType 0
261          $Script:Text = $PSEContext.CurrentFile.GetText()}}
262    }
263    elseif($Path){
```

```powershell
264        $Script:ScriptName = Split-Path -Path $Path -Leaf
265        $Script:ScriptPath = $Path
266        Validate-ScriptType 0
267        $Script:Text = (Get-Content -Path $Path) -join "`r`n"
268        }
269      else{Validate-ScriptType 1}
270  }
271  #endregion
272
273  #region Listing Functions
274  function Append-HtmlSpan($Block, $TokenColor){
275    if (($TokenColor -eq 'NewLine') -or ($TokenColor -eq 'LineContinuation')){
276      if($TokenColor -eq 'LineContinuation')
277        {[Void]$CodeBuilder.Append('`')}
278      [Void]$CodeBuilder.Append("<BR/>`r`n")
279      [Void]$LineBuilder.Append($LineNoFormat -f $LineNo)
280      $Script:LineNo++}
281    else{
282      $Block = [System.Web.HttpUtility]::HtmlEncode($Block)
283      if(-not $Block.Trim()){$Block = $Block.Replace(' ',' ')}
284      $HtmlColor = [Drawing.Color]::FromKnownColor($TokenColors[$TokenColor]).Name
285      if($TokenColor -eq 'String' -or $TokenColor -eq 'Comment' ){
286        $Lines = $Block -split "`r`n"
287        $Block = ""
288        $MultipleLines = $False
289        foreach($Line in $Lines){
290          if($MultipleLines){
291            $Block += "<BR/>`r`n"
292            [Void]$LineBuilder.Append($LineNoFormat -f $LineNo)
293            $Script:LineNo++}
294          $NewText = $Line.TrimStart()
295          $NewText = " " * ($Line.Length - $NewText.Length) + $NewText
296          if($TokenColor -eq 'Comment'){$NewText = $NewText.Replace(' ',' ')}
297          $Block += $NewText
298          $MultipleLines = $True}}
299      [Void]$CodeBuilder.Append("<span style='color:$HtmlColor'>$Block</span>")}
300  }
301
302  function Get-HtmlClipboardFormat($Html,$Caller){
303    $Header = @"
304  Version:${AppVersion}
305  StartHTML:0000000000
306  EndHTML:0000000000
307  StartFragment:0000000000
308  EndFragment:0000000000
309  StartSelection:0000000000
310  EndSelection:0000000000
311  SourceURL:file:///about:blank
312  <!DOCTYPE HTML PUBLIC `"-//W3C//DTD HTML 4.0 Transitional//EN`">
313  <HTML>
314  <HEAD>
315  <TITLE>HTML Clipboard</TITLE>
316  </HEAD>
317  <BODY>
318  <!--StartFragment-->
319  <DIV CLASS='footerstyle'></DIV>
320  <DIV style='$HtmlFont
321    width:950; border:0px solid black; padding:5px'>
322
323  <TABLE BORDER='0' cellpadding='5' cellspacing='0'>
324  <TR>
325    <TD VALIGN='Top'>
326  <DIV style='$HtmlFont
327    padding:5px; background:#cecece'>
328  __LINES__
329  </DIV>
```

```powershell
330    </TD>
331    <TD VALIGN='Top' NOWRAP='NOWRAP'>
332 <DIV style='$HtmlFont
333    padding:5px; background:#fcfcfc'>
334 __HTML__
335 </DIV>
336    </TD>
337 </TR>
338 </TBODY>
339 </TABLE>
340 </DIV>
341 <!--EndFragment-->
342 </BODY>
343 </HTML>
344 "@
345    $SF = '<!--StartFragment-->'
346    $HtmlTag = '__HTML__'
347    $Header = $Header.Replace('__LINES__', $LineBuilder.ToString())
348    $StartFragment = $Header.IndexOf($SF) + $SF.Length + 2
349    $EndFragment = $Header.IndexOf('<!--EndFragment-->') +
350      $Html.Length - $HtmlTag.Length
351    $StartHtml = $Header.IndexOf('<!DOCTYPE')
352    $EndHtml = $Header.Length + $Html.Length - $HtmlTag.Length
353
354    $HRV = @('StartHTML:';'EndHTML:';'StartFragment:';'EndFragment:';'StartSelection:';'EndSelection:')
355    $DS = '0'*10
356    $FS = '{0:D10}'
357
358    if ($Caller -eq 'Print'){
359      $Header = $Header.Replace("Version:${AppVersion}",'')
360      0..5|ForEach-Object{$Header = $Header.Replace($HRV[$_]+$DS,'')}
361      $Header = $Header.Replace('SourceURL:file:///about:blank','')}
362    else{
363      $Header = $Header -replace ($HRV[0]+$DS), ($HRV[0]+$FS -f $StartHtml)
364      $Header = $Header -replace ($HRV[1]+$DS), ($HRV[1]+$FS -f $EndHtml)
365      $Header = $Header -replace ($HRV[2]+$DS), ($HRV[2]+$FS -f $StartFragment)
366      $Header = $Header -replace ($HRV[3]+$DS), ($HRV[3]+$FS -f $EndFragment)
367      $Header = $Header -replace ($HRV[4]+$DS), ($HRV[4]+$FS -f $StartFragment)
368      $Header = $Header -replace ($HRV[5]+$DS), ($HRV[5]+$FS -f $EndFragment)}
369
370    $SV = 'HTML Clipboard'
371    if($Path.Length -eq 0){
372      switch($Host.Name){
373        $psISEHost{$Header = $Header.Replace($SV,$psISE.CurrentFile.DisplayName)}
374        $VSCodeHost{$Header = $Header.Replace($SV,$ScriptName)}}}
375    else{$Header = $Header.Replace($SV,(Split-Path -Path $Path -Leaf))}
376    $Header = $Header.Replace($HtmlTag, $Html)
377    Write-Verbose -Message $Header
378    $Header
379 }
380
381 function Create-PSListing{
382    $Script:LineNo = 1
383    Select-InputFile
384    #Tab Expansion
385    $Text = $Text|Expand-Tabs -Tw $TabWidth
386    #Do Syntax Parsing.
387    $Tokens = [System.Management.Automation.PsParser]::Tokenize($Text, [ref] $Null)
388    #Initialize HTML Builder.
389    $CodeBuilder = New-Object -TypeName System.Text.StringBuilder
390    $LineBuilder = New-Object -TypeName System.Text.StringBuilder
391    [Void]$LineBuilder.Append($LineNoFormat -f $LineNo)
392    $Script:LineNo++
393    #Iterate over the tokens and set their colors.
394    $Position = 0
395    foreach($Token in $Tokens){
```

```powershell
396        if ($Position -lt $Token.Start){
397          #Second
398          $Block = $Text.Substring($Position, ($Token.Start - $Position))
399          $TokenColor = 'Unknown'
400          Append-HtmlSpan $Block $TokenColor}
401        #First
402        $Block = $Text.Substring($Token.Start, $Token.Length)
403        $TokenColor = $Token.Type.ToString()
404        Append-HtmlSpan $Block $TokenColor
405        $Position = $Token.Start + $Token.Length
406      }
407
408    $R = @('.psm*1','.htm','\*$')
409    $Html = Get-HtmlClipboardFormat $CodeBuilder.ToString() 'Print'
410    if($OpenInWebBrowser.IsPresent){
411      if($OutputToTemp.IsPresent){
412      $Script:OutName = Join-Path -Path $Env:Temp -ChildPath ($ScriptName -replace($R[0],$R[1]) -replac
413      else{
414        $Script:OutName = ($ScriptPath -replace($R[0],$R[1]) -replace $R[2],'')}
415        $Html | Out-File -FilePath $OutName
416        if($My.ModeIdx -eq [ModeOfOperation]::Listing){
417          Invoke-Item -LiteralPath $OutName
418          if($OutputToTemp.IsPresent){$OutName|Remove-TempFile}
419        }
420      }
421      else{
422        $OutName = $ScriptPath -replace($R[0],$R[1])
423        $Html | Out-File -FilePath $OutName}
424    }
425    #endregion
426
427    #region PsToken Report
428    function Set-OutputFileName{
429      $I = $My.OutputIdx + 1
430      if($I -eq [TokenReportOutput]::File + 1 -or $I -eq [TokenReportOutput]::Html + 1){
431        $Script:OutName = if($OutputToTemp.IsPresent){
432      Join-Path -Path $Env:Temp -ChildPath ($ScriptName -replace($RVStr[0],$RVStr[$I]) -replace $RVStr[2]
433      else{
434        ($ScriptPath -replace($RVStr[0],$RVStr[$I]) -replace $RVStr[2], $RVStr[3])}
435      }
436    }
437
438    function Build-TokenList{
439      if($My.OutputIdx -ne [TokenReportOutput]::Raw){
440        #Filter to Selected PsToken Types
441        $TokenTypes = @('Command','CommandArgument','CommandParameter','Member','Type','Unknown','Variabl
442        if($ShowComments.IsPresent){$TokenTypes += 'Comment';[Array]::Sort($TokenTypes)}
443        $Tokens = $RawTokens|Where-Object{($TokenTypes.Contains($_.Type.ToString()))}
444
445        #Build Custom Output Objects & Sort
446        $Script:Tokens = $Tokens|ForEach-Object{
447          $NewObj = [PSCustomObject][Ordered]@{
448            Type = $_.Type.ToString()
449            Content = $(
450              if($_.Type -eq 'Comment'){
451                $_.Content.Substring(0,$(
452                if($_.Content.Length -gt $MaxContentLength){$MaxContentLength}
453                else{$_.Content.Length-1}))}
454              else{$_.Content})
455            StartLine = $_.StartLine
456            StartColumn = $_.StartColumn
457            EndLine = $_.EndLine
458            EndColumn = $_.EndColumn
459            Length = $_.Length
460          if($ShowStart.IsPresent){
461            Add-Member -InputObject $NewObj -MemberType NoteProperty -Name 'Start' -Value $_.Start}
```

```
462          return $NewObj}|Sort-Object -Property Type,Content,Startline
463      }
464  }
465
466  function Write-ToFile{
467      $Tokens|Format-Table -AutoSize | Out-File -Filepath ($OutName)
468      if($OutputToTemp.IsPresent){
469          switch($Host.Name){
470              $PSIseHost  {$psISE.CurrentPowerShellTab.Files.Add($OutName)}
471              $VSCodeHost {$PSEditor.Workspace.OpenFile($OutName)}
472                default {NotePad.exe $OutName}}
473          $OutName|Remove-TempFile}
474  }
475
476  function Write-ToHtml{
477      $Hdr = -join (' ' * 13),'<b>',$ScriptName,'-',$ReportName,'</b>'+('<br/>' * 2)
478      $Html = $Tokens|ConvertTo-Html -As Table -Fragment -Property *
479      ConvertTo-Html -Body $Html -Title $ReportName -Head $Hdr| Out-File $OutName -Append:($My.ModeIdx -e
480      if($OpenInWebBrowser.IsPresent){Invoke-Item -LiteralPath $OutName}
481          if($OutputToTemp.IsPresent){$OutName|Remove-TempFile}
482  }
483
484  function Write-TokenResults{
485      switch($My.OutputIdx){
486          ([Int][TokenReportOutput]::File)     {Write-ToFile}
487          ([Int][TokenReportOutput]::GridView)  {$Tokens|Out-GridView -Title "$ScriptName - $ReportName"}
488          ([Int][TokenReportOutput]::Host)     {$Tokens|Format-Table -AutoSize}
489          ([Int][TokenReportOutput]::Html)     {Write-ToHtml}
490          ([Int][TokenReportOutput]::Raw)      {$RawTokens}
491      }
492  }
493
494  function Create-TokenReport{
495      Select-InputFile
496      #Tab Expansion
497      $Script:Text = $Text|Expand-Tabs -Tw $TabWidth
498      #Tokenize Input Script
499      $Script:RawTokens = [System.Management.Automation.PsParser]::Tokenize($Text, [Ref] $Null)
500      Build-TokenList
501      if($My.ModeIdx -ne [ModeOfOperation]::Both){Set-OutputFileName}
502      Write-TokenResults
503  }
504  #endregion
505
506  #region Report Output by Mode
507  Switch($My.ModeIdx){
508      ([Int][ModeOfOperation]::Listing) {Create-PSListing}
509      ([Int][ModeOfOperation]::Tokens)  {Create-TokenReport}
510      ([Int][ModeOfOperation]::Both)    {Create-PSListing; Create-TokenReport}
511  }
512  #endregion
513
514  #region Test Commands
515  <#
516  .\Create-PSListing.ps1 -Mode Listing -LW 3 -Out Html -ICT -SS -T -O
517  .\Create-PSListing.ps1 -Mode Tokens -Out Html -ICT -SS -T -O
518  .\Create-PSListing.ps1 -Mode Both -LW 3 -Out Html -ICT -SS -T -O
519  #>
520  #endregion
521
```

Create-PSListing.ps1 - Powershell Token Report

Type	Content	StartLine	StartColumn	EndLine	EndColumn	Length	Start
Command	Add-Member	461	9	461	19	10	17144
Command	Add-Type	120	1	120	9	8	6188
Command	Append-HtmlSpan	400	7	400	22	15	14741

Command	Append-HtmlSpan	404	5	404	20	15	14895
Command	Build-TokenList	500	3	500	18	15	18750
Command	ConvertTo-Html	478	19	478	33	14	17793
Command	ConvertTo-Html	479	3	479	17	14	17843
Command	Create-PSListing	508	38	508	54	16	18963
Command	Create-PSListing	510	38	510	54	16	19077
Command	Create-TokenReport	509	38	509	56	18	19019
Command	Create-TokenReport	510	56	510	74	18	19095
Command	Expand-Tabs	385	17	385	28	11	14115
Command	Expand-Tabs	497	24	497	35	11	18602
Command	ForEach-Object	360	10	360	24	14	13015
Command	ForEach-Object	446	30	446	44	14	16594
Command	Format-Table	467	11	467	23	12	17345
Command	Format-Table	488	50	488	62	12	18366
Command	Get-Content	267	21	267	32	11	10109
Command	Get-HtmlClipboardFormat	409	11	409	34	23	15027
Command	Invoke-Item	417	9	417	20	11	15466
Command	Invoke-Item	480	35	480	46	11	18004
Command	Join-Path	412	23	412	32	9	15176
Command	Join-Path	432	3	432	12	9	15916
Command	New-Object	389	18	389	28	10	14294
Command	New-Object	390	18	390	28	10	14359
Command	NotePad.exe	472	18	472	29	11	17604
Command	Out-File	415	15	415	23	8	15374
Command	Out-File	423	13	423	21	8	15649
Command	Out-File	467	36	467	44	8	17370
Command	Out-File	479	61	479	69	8	17901
Command	Out-GridView	487	52	487	64	12	18267
Command	Remove-Item	230	5	230	16	11	8865
Command	Remove-TempFile	418	46	418	61	15	15546
Command	Remove-TempFile	473	14	473	29	15	17641
Command	Remove-TempFile	481	42	481	57	15	18081
Command	RV	151	1	151	3	2	6903
Command	Select-InputFile	383	3	383	19	16	14063
Command	Select-InputFile	495	3	495	19	16	18543
Command	Set-OutputFileName	501	47	501	65	18	18813
Command	Sort-Object	462	23	462	34	11	17255
Command	Split-Path	259	30	259	40	10	9825
Command	Split-Path	264	26	264	36	10	10000
Command	Split-Path	375	39	375	49	10	13882
Command	Start-Sleep	229	7	229	18	11	8825
Command	Test-Path	231	9	231	18	9	8936
Command	Validate-ScriptType	251	9	251	28	19	9439
Command	Validate-ScriptType	260	9	260	28	19	9869
Command	Validate-ScriptType	266	5	266	24	19	10066
Command	Validate-ScriptType	269	8	269	27	19	10162
Command	Where-Object	443	26	443	38	12	16464
Command	Write-Error	241	5	241	16	11	9135
Command	Write-ToFile	486	42	486	54	12	18201
Command	Write-ToHtml	489	42	489	54	12	18432
Command	Write-TokenResults	502	3	502	21	18	18836
Command	Write-Verbose	377	3	377	16	13	13963
CommandArgument *		478	64	478	65	1	17838
CommandArgument Append-HtmlSpan		274	10	274	25	15	10239
CommandArgument Build-TokenList		438	10	438	25	15	16139
CommandArgument Content		462	50	462	57	7	17282
CommandArgument Create-PSListing		381	10	381	26	16	14020
CommandArgument Create-TokenReport		494	10	494	28	18	18520
CommandArgument default		472	9	472	16	7	17595
CommandArgument Expand-Tabs		196	10	196	21	11	7966
CommandArgument Get-HtmlClipboardFormat		302	10	302	33	23	11480
CommandArgument NoteProperty		461	53	461	65	12	17188
CommandArgument P		151	10	151	11	1	6912
CommandArgument Remove-TempFile		224	10	224	25	15	8608
CommandArgument Select-InputFile		245	10	245	26	16	9222
CommandArgument Set-OutputFileName		428	10	428	28	18	15729

CommandArgument	SilentlyContinue	230	49	230	65	16	8909
CommandArgument	Startline	462	58	462	67	9	17290
CommandArgument	System.Text.StringBuilder	389	39	389	64	25	14315
CommandArgument	System.Text.StringBuilder	390	39	390	64	25	14380
CommandArgument	System.Web	120	20	120	30	10	6207
CommandArgument	Table	478	38	478	43	5	17812
CommandArgument	Type	462	45	462	49	4	17277
CommandArgument	Validate-ScriptType	234	10	234	29	19	8981
CommandArgument	Write-ToFile	466	10	466	22	12	17320
CommandArgument	Write-ToHtml	476	10	476	22	12	17673
CommandArgument	Write-TokenResults	484	10	484	28	18	18113
CommandParameter	-Append:	479	79	479	87	8	17919
CommandParameter	-As	478	34	478	37	3	17808
CommandParameter	-Assembly	120	10	120	19	9	6197
CommandParameter	-AutoSize	467	24	467	33	9	17358
CommandParameter	-AutoSize	488	63	488	72	9	18379
CommandParameter	-Body	479	18	479	23	5	17858
CommandParameter	-ChildPath	412	49	412	59	10	15202
CommandParameter	-ChildPath	432	29	432	39	10	15942
CommandParameter	-ErrorAction	230	36	230	48	12	8896
CommandParameter	-Exception	241	17	241	27	10	9147
CommandParameter	-FilePath	415	24	415	33	9	15383
CommandParameter	-FilePath	423	22	423	31	9	15658
CommandParameter	-Filepath	467	45	467	54	9	17379
CommandParameter	-Fragment	478	44	478	53	9	17818
CommandParameter	-Head	479	49	479	54	5	17889
CommandParameter	-InputObject	461	20	461	32	12	17155
CommandParameter	-Leaf	259	59	259	64	5	9854
CommandParameter	-Leaf	264	49	264	54	5	10023
CommandParameter	-Leaf	375	62	375	67	5	13905
CommandParameter	-LiteralPath	230	17	230	29	12	8877
CommandParameter	-LiteralPath	231	19	231	31	12	8946
CommandParameter	-LiteralPath	417	21	417	33	12	15478
CommandParameter	-LiteralPath	480	47	480	59	12	18016
CommandParameter	-MemberType	461	41	461	52	11	17176
CommandParameter	-Message	377	17	377	25	8	13977
CommandParameter	-Name	151	4	151	9	5	6906
CommandParameter	-Name	461	66	461	71	5	17201
CommandParameter	-Path	259	41	259	46	5	9836
CommandParameter	-Path	264	37	264	42	5	10011
CommandParameter	-Path	267	33	267	38	5	10121
CommandParameter	-Path	375	50	375	55	5	13893
CommandParameter	-Path	412	33	412	38	5	15186
CommandParameter	-Path	432	13	432	18	5	15926
CommandParameter	-Property	462	35	462	44	9	17267
CommandParameter	-Property	478	54	478	63	9	17828
CommandParameter	-Seconds	229	19	229	27	8	8837
CommandParameter	-Title	479	30	479	36	6	17870
CommandParameter	-Title	487	65	487	71	6	18280
CommandParameter	-Tw	385	29	385	32	3	14127
CommandParameter	-Tw	497	36	497	39	3	18614
CommandParameter	-TypeName	389	29	389	38	9	14305
CommandParameter	-TypeName	390	29	390	38	9	14370
CommandParameter	-Value	461	80	461	86	6	17215
Comment	# HTML required for combined repor	149	1	149	36	35	6800
Comment	#Build Custom Output Objects & Sor	445	5	445	40	35	16528
Comment	#Do Syntax Parsing	386	3	386	22	19	14144
Comment	#Do-While to force wait for large file	228	3	228	42	39	8778
Comment	#endregio	135	1	135	11	10	6370
Comment	#endregio	152	1	152	11	10	6915
Comment	#endregio	193	1	193	11	10	7916
Comment	#endregio	271	1	271	11	10	10189
Comment	#endregio	425	1	425	11	10	15682
Comment	#endregio	504	1	504	11	10	18859
Comment	#endregio	512	1	512	11	10	19119
Comment	#endregio	520	1	520	11	10	19362

Comment	#Filter to Selected PsToken Type	440	5	440	38	33	16212
Comment	#Firs	401	5	401	11	6	14782
Comment	#Initialize HTML Builder	388	3	388	28	25	14250
Comment	#Iterate over the tokens and set their colors	393	3	393	49	46	14484
Comment	#region Custom Enum	122	1	122	21	20	6222
Comment	#region Listing Function	273	1	273	26	25	10203
Comment	#region PsToken Repor	427	1	427	23	22	15696
Comment	#region Report Output by Mod	506	1	506	30	29	18873
Comment	#region Script Parameter Variable	137	1	137	35	34	6384
Comment	#region Script Variable	154	1	154	25	24	6929
Comment	#region Test Command	514	1	514	22	21	19133
Comment	#region Utility Function	195	1	195	26	25	7930
Comment	#Secon	397	7	397	14	7	14624
Comment	#Set-StrictMode -Version	119	1	119	27	26	6160
Comment	#Tab Expansio	384	3	384	17	14	14083
Comment	#Tab Expansio	496	3	496	17	14	18563
Comment	#Tokenize Input Scrip	498	3	498	25	22	18631
Comment	<# .\Create-PSListing.ps1 -Mode Listing -LW 3 -Ou	515	1	519	3	204	19156
Comment	<# .NOTES File Name: Create-PSListing.ps1	1	1	82	3	4518	0
Member	Add	470	54	470	57	3	17511
Member	Append	277	27	277	33	6	10428
Member	Append	278	24	278	30	6	10465
Member	Append	279	24	279	30	6	10510
Member	Append	292	30	292	36	6	11065
Member	Append	299	24	299	30	6	11408
Member	Append	391	22	391	28	6	14428
Member	Attributes	140	23	140	33	10	6503
Member	Attributes	141	27	141	37	10	6553
Member	Both	126	3	126	7	4	6290
Member	Both	150	39	150	43	4	6875
Member	Both	479	123	479	127	4	17963
Member	Both	501	41	501	45	4	18807
Member	Both	510	28	510	32	4	19067
Member	Contains	443	52	443	60	8	16490
Member	Content	449	9	449	16	7	16700
Member	Content	451	16	451	23	7	16767
Member	Content	452	19	452	26	7	16809
Member	Content	453	21	453	28	7	16887
Member	Content	454	19	454	26	7	16927
Member	CurrentFile	249	37	249	48	11	9348
Member	CurrentFile	250	37	250	48	11	9409
Member	CurrentFile	252	34	252	45	11	9495
Member	CurrentFile	253	22	253	33	11	9564
Member	CurrentFile	255	22	255	33	11	9630
Member	CurrentFile	258	42	258	53	11	9778
Member	CurrentFile	261	36	261	47	11	9927
Member	CurrentFile	373	55	373	66	11	13752
Member	CurrentPowerShellTab	470	27	470	47	20	17484
Member	DisplayName	249	49	249	60	11	9360
Member	DisplayName	373	67	373	78	11	13764
Member	Editor	252	46	252	52	6	9507
Member	Editor	253	34	253	40	6	9576
Member	Editor	255	34	255	40	6	9642
Member	EndColumn	458	24	458	33	9	17063
Member	EndColumn	458	9	458	18	9	17048
Member	EndLine	457	22	457	29	7	17031
Member	EndLine	457	9	457	16	7	17018
Member	File	129	3	129	7	4	6326
Member	File	430	34	430	38	4	15809
Member	File	486	32	486	36	4	18191
Member	Files	470	48	470	53	5	17505
Member	FromKnownColor	284	35	284	49	14	10738
Member	FullPath	250	49	250	57	8	9421
Member	GetEditorContext	257	33	257	49	16	9717
Member	GetText	261	48	261	55	7	9939
Member	GridView	130	3	130	11	8	6334

Member	GridView	487	32	487	40	8	18247
Member	HelpMessage	89	5	89	16	11	4611
Member	HelpMessage	91	5	91	16	11	4690
Member	HelpMessage	94	14	94	25	11	4846
Member	HelpMessage	98	14	98	25	11	5003
Member	HelpMessage	102	14	102	25	11	5156
Member	HelpMessage	106	14	106	25	11	5310
Member	HelpMessage	109	14	109	25	11	5538
Member	HelpMessage	112	14	112	25	11	5712
Member	HelpMessage	113	14	113	25	11	5816
Member	HelpMessage	114	14	114	25	11	5917
Member	HelpMessage	116	14	116	25	11	6034
Member	Host	131	3	131	7	4	6346
Member	Host	488	32	488	36	4	18348
Member	Html	132	3	132	7	4	6354
Member	Html	430	75	430	79	4	15850
Member	Html	489	32	489	36	4	18422
Member	HtmlEncode	282	40	282	50	10	10616
Member	IndexOf	147	22	147	29	7	6728
Member	IndexOf	148	24	148	31	7	6773
Member	IndexOf	213	16	213	23	7	8313
Member	IndexOf	348	28	348	35	7	12544
Member	IndexOf	349	26	349	33	7	12600
Member	IndexOf	351	24	351	31	7	12692
Member	IsPresent	410	24	410	33	9	15107
Member	IsPresent	411	22	411	31	9	15141
Member	IsPresent	418	26	418	35	9	15526
Member	IsPresent	431	40	431	49	9	15901
Member	IsPresent	442	22	442	31	9	16374
Member	IsPresent	460	21	460	30	9	17123
Member	IsPresent	468	20	468	29	9	17420
Member	IsPresent	480	24	480	33	9	17993
Member	IsPresent	481	22	481	31	9	18061
Member	Length	246	12	246	18	6	9252
Member	Length	252	66	252	72	6	9527
Member	Length	295	38	295	44	6	11203
Member	Length	295	56	295	62	6	11221
Member	Length	348	47	348	53	6	12563
Member	Length	350	11	350	17	6	12643
Member	Length	350	29	350	35	6	12661
Member	Length	352	22	352	28	6	12735
Member	Length	352	37	352	43	6	12750
Member	Length	352	55	352	61	6	12768
Member	Length	371	12	371	18	6	13657
Member	Length	402	51	402	57	6	14840
Member	Length	405	39	405	45	6	14969
Member	Length	452	27	452	33	6	16817
Member	Length	453	29	453	35	6	16895
Member	Length	459	21	459	27	6	17094
Member	Length	459	9	459	15	6	17082
Member	Listing	124	3	124	10	7	6269
Member	Listing	416	45	416	52	7	15447
Member	Listing	508	28	508	35	7	18953
Member	Mandatory	201	5	201	14	9	8050
Member	Mandatory	226	29	226	38	9	8664
Member	ModeIdx	147	3	147	10	7	6709
Member	ModeIdx	150	8	150	15	7	6844
Member	ModeIdx	416	14	416	21	7	15416
Member	ModeIdx	479	92	479	99	7	17932
Member	ModeIdx	501	10	501	17	7	18776
Member	ModeIdx	507	12	507	19	7	18915
Member	ModeOfOperation	123	6	123	21	15	6249
Member	Modes	145	3	145	8	5	6673
Member	MyCommand	139	24	139	33	9	6458
Member	MyCommand	143	25	143	34	9	6636
Member	Name	143	3	143	7	4	6614

Member	Name	143	36	143	40	4	6647
Member	Name	241	40	241	44	4	9170
Member	Name	247	18	247	22	4	9285
Member	Name	284	77	284	81	4	10780
Member	Name	372	18	372	22	4	13690
Member	Name	469	18	469	22	4	17450
Member	OpenFile	471	40	471	48	8	17566
Member	OutputIdx	148	3	148	12	9	6752
Member	OutputIdx	429	12	429	21	9	15761
Member	OutputIdx	439	10	439	19	9	16166
Member	OutputIdx	485	14	485	23	9	18147
Member	Outputs	146	3	146	10	7	6690
Member	Parameters	139	35	139	45	10	6469
Member	Params	144	3	144	9	6	6655
Member	Path	258	54	258	58	4	9790
Member	Position	87	5	87	13	8	4568
Member	Position	199	5	199	13	8	8007
Member	Position	204	5	204	13	8	8119
Member	Position	226	16	226	24	8	8651
Member	Position	227	16	227	24	8	8724
Member	Raw	133	3	133	6	3	6362
Member	Raw	439	45	439	48	3	16201
Member	Raw	490	32	490	35	3	18478
Member	Replace	283	44	283	51	7	10680
Member	Replace	296	59	296	66	7	11299
Member	Replace	347	21	347	28	7	12470
Member	Replace	359	23	359	30	7	12969
Member	Replace	360	43	360	50	7	13048
Member	Replace	361	23	361	30	7	13097
Member	Replace	373	36	373	43	7	13733
Member	Replace	374	37	374	44	7	13815
Member	Replace	375	26	375	33	7	13869
Member	Replace	376	21	376	28	7	13935
Member	SelectedText	252	53	252	65	12	9514
Member	SelectedText	255	41	255	53	12	9649
Member	Sort	442	67	442	71	4	16419
Member	Start	396	30	396	35	5	14609
Member	Start	398	51	398	56	5	14683
Member	Start	402	37	402	42	5	14826
Member	Start	405	24	405	29	5	14954
Member	Start	461	90	461	95	5	17225
Member	StartColumn	456	9	456	20	11	16980
Member	StartColumn	456	26	456	37	11	16997
Member	StartLine	455	9	455	18	9	16946
Member	StartLine	455	24	455	33	9	16961
Member	Substring	398	22	398	31	9	14654
Member	Substring	402	20	402	29	9	14809
Member	Substring	451	24	451	33	9	16775
Member	Text	253	41	253	45	4	9583
Member	Tokenize	387	54	387	62	8	14218
Member	Tokenize	499	64	499	72	8	18718
Member	TokenReportOutput	128	6	128	23	17	6304
Member	Tokens	125	3	125	9	6	6280
Member	Tokens	509	28	509	34	6	19009
Member	ToString	347	55	347	63	8	12504
Member	ToString	403	31	403	39	8	14879
Member	ToString	409	48	409	56	8	15064
Member	ToString	443	69	443	77	8	16507
Member	ToString	448	24	448	32	8	16679
Member	Trim	283	20	283	24	4	10656
Member	TrimStart	294	26	294	35	9	11153
Member	Type	403	26	403	30	4	14874
Member	Type	443	64	443	68	4	16502
Member	Type	448	9	448	13	4	16664
Member	Type	448	19	448	23	4	16674
Member	Type	450	17	450	21	4	16730

Member	ValidValues	140	34	140	45	11	6514
Member	ValidValues	141	38	141	49	11	6564
Member	ValueFromPipeline	88	5	88	22	17	4587
Member	ValueFromPipeline	200	5	200	22	17	8026
Member	ValueFromPipeline	226	39	226	56	17	8674
Member	Workspace	471	30	471	39	9	17556
Type	[Array]	147	13	147	20	7	6719
Type	[Array]	148	15	148	22	7	6764
Type	[Array]	442	58	442	65	7	16410
Type	[Drawing.Color]	284	18	284	33	15	10721
Type	[Int]	227	43	227	48	5	8751
Type	[Int]	235	9	235	14	5	9011
Type	[Int]	486	6	486	11	5	18165
Type	[Int]	487	6	487	11	5	18221
Type	[Int]	488	6	488	11	5	18322
Type	[Int]	489	6	489	11	5	18396
Type	[Int]	490	6	490	11	5	18452
Type	[Int]	508	4	508	9	5	18929
Type	[Int]	509	4	509	9	5	18985
Type	[Int]	510	4	510	9	5	19043
Type	[ModeOfOperation]	150	20	150	37	17	6856
Type	[ModeOfOperation]	416	26	416	43	17	15428
Type	[ModeOfOperation]	479	104	479	121	17	17944
Type	[ModeOfOperation]	501	22	501	39	17	18788
Type	[ModeOfOperation]	508	9	508	26	17	18934
Type	[ModeOfOperation]	509	9	509	26	17	18990
Type	[ModeOfOperation]	510	9	510	26	17	19048
Type	[Ordered]	142	23	142	32	9	6599
Type	[Ordered]	447	33	447	42	9	16643
Type	[PSCustomObject]	142	7	142	23	16	6583
Type	[PSCustomObject]	447	17	447	33	16	16627
Type	[ref]	387	70	387	75	5	14234
Type	[Ref]	499	80	499	85	5	18734
Type	[String]	89	49	89	57	8	4655
Type	[String]	93	45	93	53	8	4803
Type	[String]	108	57	108	65	8	5496
Type	[String]	202	5	202	13	8	8080
Type	[String]	226	58	226	66	8	8693
Type	[Switch]	112	80	112	88	8	5778
Type	[Switch]	113	81	113	89	8	5883
Type	[switch]	115	5	115	13	8	5993
Type	[switch]	117	5	117	13	8	6134
Type	[System.Management.Automation.PsParser]	387	13	387	52	39	14177
Type	[System.Management.Automation.PsParser]	499	23	499	62	39	18677
Type	[System.Web.HttpUtility]	282	14	282	38	24	10590
Type	[TokenReportOutput]	430	13	430	32	19	15788
Type	[TokenReportOutput]	430	54	430	73	19	15829
Type	[TokenReportOutput]	439	24	439	43	19	16180
Type	[TokenReportOutput]	486	11	486	30	19	18170
Type	[TokenReportOutput]	487	11	487	30	19	18226
Type	[TokenReportOutput]	488	11	488	30	19	18327
Type	[TokenReportOutput]	489	11	489	30	19	18401
Type	[TokenReportOutput]	490	11	490	30	19	18457
Type	[UInt32]	97	5	97	13	8	4965
Type	[UInt32]	101	5	101	13	8	5119
Type	[UInt32]	105	5	105	13	8	5270
Type	[UInt32]	111	28	111	36	8	5666
Type	[UInt32]	205	5	205	13	8	8152
Type	[Void]	277	8	277	14	6	10409
Type	[Void]	278	5	278	11	6	10446
Type	[Void]	279	5	279	11	6	10491
Type	[Void]	292	11	292	17	6	11046
Type	[Void]	299	5	299	11	6	11389
Type	[Void]	391	3	391	9	6	14409
Variable	_	360	56	360	58	2	13061
Variable	_	443	61	443	63	2	16499

Variable		448	16	448	18	2	16671
Variable	_	450	14	450	16	2	16727
Variable	_	451	13	451	15	2	16764
Variable	_	452	16	452	18	2	16806
Variable	_	453	18	453	20	2	16884
Variable	_	454	16	454	18	2	16924
Variable	_	455	21	455	23	2	16958
Variable	_	456	23	456	25	2	16994
Variable	_	457	19	457	21	2	17028
Variable	_	458	21	458	23	2	17060
Variable	_	459	18	459	20	2	17091
Variable	_	461	87	461	89	2	17222
Variable	AppVersion	155	1	155	12	11	6955
Variable	Block	207	1	207	7	6	8178
Variable	Block	219	3	219	9	6	8525
Variable	Block	221	8	221	14	6	8586
Variable	Block	274	26	274	32	6	10255
Variable	Block	282	51	282	57	6	10627
Variable	Block	282	5	282	11	6	10581
Variable	Block	283	13	283	19	6	10649
Variable	Block	283	37	283	43	6	10673
Variable	Block	283	28	283	34	6	10664
Variable	Block	286	16	286	22	6	10867
Variable	Block	287	7	287	13	6	10895
Variable	Block	291	11	291	17	6	11013
Variable	Block	297	9	297	15	6	11331
Variable	Block	398	7	398	13	6	14639
Variable	Block	400	23	400	29	6	14757
Variable	Block	402	5	402	11	6	14794
Variable	Block	404	21	404	27	6	14911
Variable	Caller	302	40	302	47	7	11510
Variable	Caller	358	7	358	14	7	12924
Variable	CodeBuilder	277	14	277	26	12	10415
Variable	CodeBuilder	278	11	278	23	12	10452
Variable	CodeBuilder	299	11	299	23	12	11395
Variable	CodeBuilder	389	3	389	15	12	14279
Variable	CodeBuilder	409	35	409	47	12	15051
Variable	DelaySeconds	227	48	227	61	13	8756
Variable	DelaySeconds	229	28	229	41	13	8846
Variable	DS	355	3	355	6	3	12883
Variable	DS	360	60	360	63	3	13065
Variable	DS	363	41	363	44	3	13192
Variable	DS	364	41	364	44	3	13268
Variable	DS	365	41	365	44	3	13342
Variable	DS	366	41	366	44	3	13422
Variable	DS	367	41	367	44	3	13500
Variable	DS	368	41	368	44	3	13580
Variable	E	237	44	237	46	2	9087
Variable	E	238	8	238	10	2	9102
Variable	E	240	6	240	8	2	9119
Variable	EndFragment	349	3	349	15	12	12577
Variable	EndFragment	366	63	366	75	12	13444
Variable	EndFragment	368	63	368	75	12	13602
Variable	EndHtml	352	3	352	11	8	12716
Variable	EndHtml	364	63	364	71	8	13290
Variable	Env:Temp	412	39	412	48	9	15192
Variable	Env:Temp	432	19	432	28	9	15932
Variable	EOL	208	1	208	5	4	8191
Variable	EOL	212	9	212	13	4	8279
Variable	EOL	214	19	214	23	4	8346
Variable	EOL	220	3	220	7	4	8563
Variable	ErrMsg	161	1	161	8	7	7185
Variable	ErrMsg	241	45	241	52	7	9175
Variable	False	208	8	208	14	6	8198
Variable	False	212	18	212	24	6	8288
Variable	False	220	10	220	16	6	8570

Variable	False	288	24	288	30	6	10931
Variable	FontSize	97	13	97	22	9	4973
Variable	FontSize	164	69	164	78	9	7417
Variable	FS	356	3	356	6	3	12899
Variable	FS	363	56	363	59	3	13207
Variable	FS	364	56	364	59	3	13283
Variable	FS	365	56	365	59	3	13357
Variable	FS	366	56	366	59	3	13437
Variable	FS	367	56	367	59	3	13515
Variable	FS	368	56	368	59	3	13595
Variable	Hdr	477	3	477	7	4	17690
Variable	Hdr	479	55	479	59	4	17895
Variable	Header	303	3	303	10	7	11523
Variable	Header	347	13	347	20	7	12462
Variable	Header	347	3	347	10	7	12452
Variable	Header	348	20	348	27	7	12536
Variable	Header	349	18	349	25	7	12592
Variable	Header	351	16	351	23	7	12684
Variable	Header	352	14	352	21	7	12727
Variable	Header	359	15	359	22	7	12961
Variable	Header	359	5	359	12	7	12951
Variable	Header	360	25	360	32	7	13030
Variable	Header	360	35	360	42	7	13040
Variable	Header	361	5	361	12	7	13079
Variable	Header	361	15	361	22	7	13089
Variable	Header	363	5	363	12	7	13156
Variable	Header	363	15	363	22	7	13166
Variable	Header	364	5	364	12	7	13232
Variable	Header	364	15	364	22	7	13242
Variable	Header	365	5	365	12	7	13306
Variable	Header	365	15	365	22	7	13316
Variable	Header	366	5	366	12	7	13386
Variable	Header	366	15	366	22	7	13396
Variable	Header	367	15	367	22	7	13474
Variable	Header	367	5	367	12	7	13464
Variable	Header	368	15	368	22	7	13554
Variable	Header	368	5	368	12	7	13544
Variable	Header	373	28	373	35	7	13725
Variable	Header	373	18	373	25	7	13715
Variable	Header	374	29	374	36	7	13807
Variable	Header	374	19	374	26	7	13797
Variable	Header	375	18	375	25	7	13861
Variable	Header	375	8	375	15	7	13851
Variable	Header	376	13	376	20	7	13927
Variable	Header	376	3	376	10	7	13917
Variable	Header	377	26	377	33	7	13986
Variable	Header	378	3	378	10	7	13997
Variable	Host	247	12	247	17	5	9279
Variable	Host	372	12	372	17	5	13684
Variable	Host	469	12	469	17	5	17444
Variable	HRV	354	3	354	7	4	12780
Variable	HRV	360	51	360	55	4	13056
Variable	HRV	363	33	363	37	4	13184
Variable	HRV	363	48	363	52	4	13199
Variable	HRV	364	33	364	37	4	13260
Variable	HRV	364	48	364	52	4	13275
Variable	HRV	365	33	365	37	4	13334
Variable	HRV	365	48	365	52	4	13349
Variable	HRV	366	33	366	37	4	13414
Variable	HRV	366	48	366	52	4	13429
Variable	HRV	367	48	367	52	4	13507
Variable	HRV	367	33	367	37	4	13492
Variable	HRV	368	48	368	52	4	13587
Variable	HRV	368	33	368	37	4	13572
Variable	Html	302	34	302	39	5	11504
Variable	Html	350	5	350	10	5	12637

Variable	Html	352	31	352	36	5	12744
Variable	Html	376	39	376	44	5	13953
Variable	Html	409	3	409	8	5	15019
Variable	Html	415	7	415	12	5	15366
Variable	Html	423	5	423	10	5	15641
Variable	Html	478	3	478	8	5	17777
Variable	Html	479	24	479	29	5	17864
Variable	HtmlColor	284	5	284	15	10	10708
Variable	HtmlFont	164	1	164	10	9	7349
Variable	HtmlTag	346	3	346	11	8	12427
Variable	HtmlTag	350	20	350	28	8	12652
Variable	HtmlTag	352	46	352	54	8	12759
Variable	HtmlTag	376	29	376	37	8	13943
Variable	I	213	5	213	7	2	8302
Variable	I	214	8	214	10	2	8335
Variable	I	216	27	216	29	2	8426
Variable	I	429	3	429	5	2	15752
Variable	I	430	47	430	49	2	15822
Variable	I	430	6	430	8	2	15781
Variable	I	432	79	432	81	2	15992
Variable	I	434	44	434	46	2	16082
Variable	Index	235	14	235	20	6	9016
Variable	Index	236	10	236	16	6	9034
Variable	Index	241	53	241	59	6	9183
Variable	InputStr	202	13	202	22	9	8088
Variable	InputStr	209	10	209	19	9	8215
Variable	Line	211	9	211	14	5	8252
Variable	Line	213	10	213	15	5	8307
Variable	Line	218	13	218	18	5	8471
Variable	Line	218	5	218	10	5	8463
Variable	Line	219	25	219	30	5	8547
Variable	Line	289	15	289	20	5	10954
Variable	Line	294	20	294	25	5	11147
Variable	Line	295	32	295	37	5	11197
Variable	LineBuilder	279	11	279	23	12	10497
Variable	LineBuilder	292	17	292	29	12	11052
Variable	LineBuilder	347	42	347	54	12	12491
Variable	LineBuilder	390	3	390	15	12	14344
Variable	LineBuilder	391	9	391	21	12	14415
Variable	LineNo	162	1	162	8	7	7276
Variable	LineNo	279	48	279	55	7	10534
Variable	LineNo	292	54	292	61	7	11089
Variable	LineNo	391	46	391	53	7	14452
Variable	LineNoFormat	163	1	163	14	13	7289
Variable	LineNoFormat	279	31	279	44	13	10517
Variable	LineNoFormat	292	37	292	50	13	11072
Variable	LineNoFormat	391	29	391	42	13	14435
Variable	LineNoWidth	105	13	105	25	12	5278
Variable	LineNoWidth	163	36	163	48	12	7324
Variable	Lines	209	1	209	7	6	8206
Variable	Lines	211	18	211	24	6	8261
Variable	Lines	286	7	286	13	6	10858
Variable	Lines	289	24	289	30	6	10963
Variable	MatchStr	159	1	159	10	9	7102
Variable	MatchStr	237	33	237	42	9	9076
Variable	MaxContentLength	111	36	111	53	17	5674
Variable	MaxContentLength	452	57	452	74	17	16847
Variable	MaxContentLength	452	38	452	55	17	16828
Variable	Mode	93	53	93	58	5	4811
Variable	Mode	147	36	147	41	5	6742
Variable	MultipleLines	288	7	288	21	14	10914
Variable	MultipleLines	290	12	290	26	14	10985
Variable	MultipleLines	298	9	298	23	14	11359
Variable	My	142	1	142	4	3	6577
Variable	My	150	4	150	7	3	6840
Variable	My	241	36	241	39	3	9166

Variable	My	416	10	416	13	3	15412
Variable	My	429	8	429	11	3	15757
Variable	My	439	6	439	9	3	16162
Variable	My	479	88	479	91	3	17928
Variable	My	485	10	485	13	3	18143
Variable	My	501	6	501	9	3	18772
Variable	My	507	8	507	11	3	18911
Variable	MyInvocation	139	10	139	23	13	6444
Variable	MyInvocation	143	11	143	24	13	6622
Variable	NewObj	447	7	447	14	7	16617
Variable	NewObj	461	33	461	40	7	17168
Variable	NewObj	462	14	462	21	7	17246
Variable	NewText	294	9	294	17	8	11136
Variable	NewText	295	66	295	74	8	11231
Variable	NewText	295	9	295	17	8	11174
Variable	NewText	295	47	295	55	8	11212
Variable	NewText	296	39	296	47	8	11279
Variable	NewText	296	50	296	58	8	11290
Variable	NewText	297	19	297	27	8	11341
Variable	Null	387	76	387	81	5	14240
Variable	Null	499	86	499	91	5	18740
Variable	OpenInWebBrowser	115	13	115	30	17	6001
Variable	OpenInWebBrowser	410	6	410	23	17	15089
Variable	OpenInWebBrowser	480	6	480	23	17	17975
Variable	OutName	165	1	165	9	8	7435
Variable	OutName	415	34	415	42	8	15393
Variable	OutName	417	34	417	42	8	15491
Variable	OutName	418	37	418	45	8	15537
Variable	OutName	422	5	422	13	8	15591
Variable	OutName	423	32	423	40	8	15668
Variable	OutName	467	56	467	64	8	17390
Variable	OutName	470	58	470	66	8	17515
Variable	OutName	471	49	471	57	8	17575
Variable	OutName	472	30	472	38	8	17616
Variable	OutName	473	5	473	13	8	17632
Variable	OutName	479	70	479	78	8	17910
Variable	OutName	480	60	480	68	8	18029
Variable	OutName	481	33	481	41	8	18072
Variable	OutputTo	108	65	108	74	9	5504
Variable	OutputTo	148	38	148	47	9	6787
Variable	OutputTo	150	45	150	54	9	6881
Variable	OutputToTemp	117	13	117	26	13	6142
Variable	OutputToTemp	411	8	411	21	13	15127
Variable	OutputToTemp	418	12	418	25	13	15512
Variable	OutputToTemp	431	26	431	39	13	15887
Variable	OutputToTemp	468	6	468	19	13	17406
Variable	OutputToTemp	481	8	481	21	13	18047
Variable	P	138	1	138	3	2	6420
Variable	P	139	1	139	3	2	6435
Variable	P	140	9	140	11	2	6489
Variable	P	140	1	140	3	2	6481
Variable	P	141	1	141	3	2	6527
Variable	P	141	9	141	11	2	6535
Variable	P	144	12	144	14	2	6664
Variable	P	145	11	145	13	2	6681
Variable	P	146	13	146	15	2	6700
Variable	P	147	30	147	32	2	6736
Variable	P	148	32	148	34	2	6781
Variable	Pad	215	5	215	9	4	8371
Variable	Path	89	57	89	62	5	4663
Variable	Path	226	66	226	71	5	8701
Variable	Path	230	30	230	35	5	8890
Variable	Path	231	32	231	37	5	8959
Variable	Path	246	6	246	11	5	9246
Variable	Path	263	10	263	15	5	9966
Variable	Path	264	43	264	48	5	10017

Variable	Path	265	26	265	31	5	10055
Variable	Path	267	39	267	44	5	10127
Variable	Path	371	6	371	11	5	13651
Variable	Path	375	56	375	61	5	13899
Variable	Position	394	3	394	12	9	14534
Variable	Position	396	9	396	18	9	14588
Variable	Position	398	59	398	68	9	14691
Variable	Position	398	32	398	41	9	14664
Variable	Position	405	5	405	14	9	14935
Variable	PSEContext	257	9	257	20	11	9693
Variable	PSEContext	258	30	258	41	11	9766
Variable	PSEContext	261	24	261	35	11	9915
Variable	PSEditor	257	23	257	32	9	9707
Variable	PSEditor	471	20	471	29	9	17546
Variable	psISE	249	30	249	36	6	9341
Variable	psISE	250	30	250	36	6	9402
Variable	psISE	252	27	252	33	6	9488
Variable	psISE	253	15	253	21	6	9557
Variable	psISE	255	15	255	21	6	9623
Variable	psISE	373	48	373	54	6	13745
Variable	psISE	470	20	470	26	6	17477
Variable	psISEHost	156	1	156	11	10	6976
Variable	PSIseHost	248	7	248	17	10	9299
Variable	psISEHost	373	7	373	17	10	13704
Variable	PSIseHost	470	7	470	17	10	17464
Variable	R	408	3	408	5	2	14986
Variable	R	412	104	412	106	2	15257
Variable	R	412	82	412	84	2	15235
Variable	R	412	88	412	90	2	15241
Variable	R	414	47	414	49	2	15326
Variable	R	414	53	414	55	2	15332
Variable	R	414	69	414	71	2	15348
Variable	R	422	37	422	39	2	15623
Variable	R	422	43	422	45	2	15629
Variable	RawTokens	169	1	169	11	10	7498
Variable	RawTokens	443	15	443	25	10	16453
Variable	RawTokens	490	42	490	52	10	18488
Variable	ReportName	158	1	158	12	11	7061
Variable	ReportName	477	54	477	65	11	17741
Variable	ReportName	479	37	479	48	11	17877
Variable	RVStr	160	1	160	7	6	7126
Variable	RVStr	432	104	432	110	6	16017
Variable	RVStr	432	62	432	68	6	15975
Variable	RVStr	432	72	432	78	6	15985
Variable	RVStr	432	93	432	99	6	16006
Variable	RVStr	434	69	434	75	6	16107
Variable	RVStr	434	58	434	64	6	16096
Variable	RVStr	434	37	434	43	6	16075
Variable	RVStr	434	27	434	33	6	16065
Variable	Script:LineNo	280	5	280	19	14	10549
Variable	Script:LineNo	293	11	293	25	14	11109
Variable	Script:LineNo	382	3	382	17	14	14041
Variable	Script:LineNo	392	3	392	17	14	14464
Variable	Script:OutName	412	5	412	20	15	15158
Variable	Script:OutName	414	7	414	22	15	15286
Variable	Script:OutName	431	5	431	20	15	15866
Variable	Script:RawTokens	499	3	499	20	17	18657
Variable	Script:ScriptName	249	9	249	27	18	9320
Variable	Script:ScriptName	259	9	259	27	18	9804
Variable	Script:ScriptName	264	5	264	23	18	9979
Variable	Script:ScriptPath	250	9	250	27	18	9381
Variable	Script:ScriptPath	258	9	258	27	18	9745
Variable	Script:ScriptPath	265	5	265	23	18	10034
Variable	Script:Text	252	9	252	21	12	9470
Variable	Script:Text	261	9	261	21	12	9900
Variable	Script:Text	267	5	267	17	12	10093

Variable	Script:Text	497	3	497	15	12	18581
Variable	Script:Tokens	446	5	446	19	14	16569
Variable	ScriptName	166	1	166	12	11	7450
Variable	ScriptName	374	49	374	60	11	13827
Variable	ScriptName	412	61	412	72	11	15214
Variable	ScriptName	432	41	432	52	11	15954
Variable	ScriptName	477	38	477	49	11	17725
Variable	ScriptPath	167	1	167	12	11	7468
Variable	ScriptPath	237	11	237	22	11	9054
Variable	ScriptPath	259	47	259	58	11	9842
Variable	ScriptPath	414	26	414	37	11	15305
Variable	ScriptPath	422	16	422	27	11	15602
Variable	ScriptPath	434	6	434	17	11	16044
Variable	SF	345	3	345	6	3	12395
Variable	SF	348	36	348	39	3	12552
Variable	SF	348	43	348	46	3	12559
Variable	ShowComments	112	88	112	101	13	5786
Variable	ShowComments	442	8	442	21	13	16360
Variable	ShowStart	113	89	113	99	10	5891
Variable	ShowStart	460	10	460	20	10	17112
Variable	StartFragment	348	3	348	17	14	12519
Variable	StartFragment	365	63	365	77	14	13364
Variable	StartFragment	367	63	367	77	14	13522
Variable	StartHtml	351	3	351	13	10	12671
Variable	StartHtml	363	63	363	73	10	13214
Variable	SV	370	3	370	6	3	13622
Variable	SV	373	44	373	47	3	13741
Variable	SV	374	45	374	48	3	13823
Variable	SV	375	34	375	37	3	13877
Variable	TabWidth	101	13	101	22	9	5127
Variable	TabWidth	205	13	205	22	9	8160
Variable	TabWidth	215	15	215	24	9	8381
Variable	TabWidth	216	32	216	41	9	8431
Variable	TabWidth	216	14	216	23	9	8413
Variable	TabWidth	385	33	385	42	9	14131
Variable	TabWidth	497	40	497	49	9	18618
Variable	Text	168	1	168	6	5	7486
Variable	Text	385	11	385	16	5	14109
Variable	Text	385	3	385	8	5	14101
Variable	Text	387	63	387	68	5	14227
Variable	Text	398	16	398	21	5	14648
Variable	Text	402	14	402	19	5	14803
Variable	Text	497	18	497	23	5	18596
Variable	Text	499	73	499	78	5	18727
Variable	Token	395	11	395	17	6	14559
Variable	Token	396	23	396	29	6	14602
Variable	Token	398	44	398	50	6	14676
Variable	Token	402	30	402	36	6	14819
Variable	Token	402	44	402	50	6	14833
Variable	Token	403	19	403	25	6	14867
Variable	Token	405	17	405	23	6	14947
Variable	Token	405	32	405	38	6	14962
Variable	TokenColor	274	34	274	45	11	10263
Variable	TokenColor	275	8	275	19	11	10286
Variable	TokenColor	275	40	275	51	11	10318
Variable	TokenColor	276	8	276	19	11	10365
Variable	TokenColor	284	63	284	74	11	10766
Variable	TokenColor	285	8	285	19	11	10793
Variable	TokenColor	285	37	285	48	11	10822
Variable	TokenColor	296	12	296	23	11	11252
Variable	TokenColor	399	7	399	18	11	14710
Variable	TokenColor	400	30	400	41	11	14764
Variable	TokenColor	403	5	403	16	11	14853
Variable	TokenColor	404	28	404	39	11	14918
Variable	TokenColors	171	1	171	13	12	7529
Variable	TokenColors	284	50	284	62	12	10753

Variable	Tokens	170	1	170	8	7	7515
Variable	Tokens	387	3	387	10	7	14167
Variable	Tokens	395	21	395	28	7	14569
Variable	Tokens	443	5	443	12	7	16443
Variable	Tokens	446	22	446	29	7	16586
Variable	Tokens	467	3	467	10	7	17337
Variable	Tokens	478	11	478	18	7	17785
Variable	Tokens	487	44	487	51	7	18259
Variable	Tokens	488	42	488	49	7	18358
Variable	TokenTypes	441	5	441	16	11	16251
Variable	TokenTypes	442	33	442	44	11	16385
Variable	TokenTypes	442	72	442	83	11	16424
Variable	TokenTypes	443	40	443	51	11	16478
Variable	True	214	26	214	31	5	8353
Variable	True	298	26	298	31	5	11376
Variable	VSCodeHost	157	1	157	12	11	7020
Variable	VSCodeHost	256	7	256	18	11	9671
Variable	VSCodeHost	374	7	374	18	11	13785
Variable	VSCodeHost	471	7	471	18	11	17533

Variable	Tokens	170	1	170	8	7	7515
Variable	Tokens	387	3	387	10	7	14167
Variable	Tokens	395	21	395	28	7	14569