Macro Pack v5.0 - www.scripting4v5.com

Count: 101

	Macro Name	ActiveDocument File Type	Language	In Design Mode?	Special License Required?	Description
Simple Examples - (15)	Arrange Windows	Any	CATScript	N/A	No	Shows different ways to arrange CATIA windows
	Count and Item Example	Any	CATScript	N/A	No	Counts the number of open documents
	Date, Time, and User Parameter Example	Any	CATScript	N/A	No	How to create a date and time parameter
	Do Until Loop	Any	CATScript	N/A	No	Example of a Do Until Loop
	Do While Loop	Any	CATScript	N/A	No	Example of a Do While Loop
	For Each Loop	Any	CATScript	N/A	No	Examples of a For Each Loop
	For Next Loop	Any	CATScript	N/A	No	Example of a For Next Loop
	Function Example	Any	CATScript	N/A	No	Shows how to use a function
	GetBackgroundColor	Any	CATScript	N/A	No	Display the background color array
	Hello World	Any	CATScript	N/A	No	Shows how to create your first "Hello World" macro
	Hide All Planes	Any	CATScript	N/A	No	How to hide all planes by searching for type
	Open Documents w/ Selection Window	Any	CATScript	N/A	No	How to open Documents Using a Selection Window
	Save As	Any	CATScript	N/A	No	How to run Save As on a document
	StartCommand Examples	Any	CATScript	N/A	No	List of common usages of StartCommand in CATIA macros
	Subroutine Example	Any	CATScript	N/A	No	Shows how to use a subroutine
Tools Options - (3)	Change Units	Any	CATScript	N/A	No	Changes the units from mm to inch or vice versa
	Convert Units	CATPart	CATScript	Yes	No	Shows how to convert between units and display them
	Level of Detail	Any	CATScript	N/A	No	Changes the level of detail while rotating data
Utilities - (16)	Background to Purple	Any	CATScript	No	No	Changes the background color to purple
	Background to White	Any	CATScript	No	No	Changes the background color to white (video tutorial in All-in package)
	CATIA Version	Any	CATScript	N/A	No	This macro displays the current CATIA version and service pack number
	Close All with Save	Any	CATScript	N/A	No	Save all open documents in session then close them
	CommandList	Any	CATScript	N/A	No	Opens the command list for the active workbench
	Compass Reset	Any	CATScript	N/A	No	Resets the compass
	Display Licenses	Any	CATScript	N/A	No	Display all the active licenses
	Expiry Date	Any	VBA	N/A	No	This macro allows you to set an expiry date in which your code will not run after the set date
	Launch_Calculator	Any	CATScript	N/A	No	Launches the calculator from CATIA V5
	Parent name	Any	CATScript	Yes	No	Displays the parent name of a selected object
	Run CATVBA from CATscript	Any	CATScript	No	No	How to run a CATVBA macro from a CATScript macro
	Run one CATScript from another	Any	CATScript	No	No	How to run a CATScript from inside another CATScript
	Screen Capture (save as png)	Any	CATScript	No	No	This macro takes a screen shot with a white background and saves it in a folder
	Search by Name	Any	CATScript	Yes	No	Search for specified geometry by name and center graph
	What is this	Any	CATScript	Yes	No	Returns the name and type of all selected objects
	Workbench ID	Any	CATScript	No	No	Displays the workbench ID and command list
Drafting - (12)	Batch Drawings to PDF	CATDrawing	CATScript	No	No	Convert all CATdrawings in a folder to PDF
	Change Drawing Units with Precision	CATDrawing	CATScript	No	No	Change all your drawing dimensions from current unit to millimeters with decimal places
	Close Drawings					Close all open drawings but leave any parts or products open
	Delete All Views	CATDrawing	CATScript	No	No	Deletes all drawing views
	Drawing Frame and Title Block	CATDrawing	CATScript	No	No	Create a drawing frame and title block
	Drawing Front View	CATDrawing	CATScript	No	No	Create a drawing with a front view of a CATPart
	DRW Sheet Names	CATDrawing	CATScript	No	No	Rename drawing sheets based on the total number of sheets
	Fit Sheets	CATDrawing	CATScript	No	No	Reframe each drawing sheet
	Hide Drawing Axis System	CATDrawing	CATScript	No	No	Hides the drawing axis and origin point
	Move Views	CATDrawing	CATScript	No	No	Moves a view within a drawing sheet
	Save Drawing as PDF	CATDrawing	CATScript	No	No	Save the open CATDrawing as a PDF
	Unlock Drawing Views	CATDrawing	CATScript	No	No	This macro will lock or unlock all drawing views
CATPart - (22)	Apply Material	CATPart	CATScript	Yes	No	Apply material to a CATPart from a material catalog
	Axis to Axis	CATPart	CATScript	Yes	No	How to move a piece of geometry using axis to axis
	Change Properties	CATPart	CATScript	Yes	No	How to change geometry's color, layer, thickness, etc.
	Count Features	CATPart	CATScript	Yes	No	Count all features within a CATPart file
	Count Sketch Based Features	CATPart	CATScript	Yes	No	Find all sketch based features
	Create Cylinders	CATPart	CATScript	Yes	No	Create a clearance cylinder where you have points and lines (example: holes, fastening points, etc.)
	Create Different Parameter Types	CATPart	CATScript	Yes	No	Shows how to create parameters of different types
	Create Geometrical Set	CATPart	CATScript	Yes	No	This macro creates a new geometrical set within a part file
	Cycle Through Deactive Features	CATPart	CATScript	Yes	No	Cycle through deactivated features
	Delete Empty Bodies	CATPart	CATScript	Yes	No	Checks whether a body is empty or not and if so then delete it
	Delete Publications	CATPart	CATScript	Yes	No	Deletes all publications
	Export as IGS	CATPart	CATScript	Yes	No	Prompts user to save a CATPart as IGS file
	Get Hole Origin	CATPart	CATScript	Yes	No	Get the origin of any hole elements
	Join 2 Sweeps	CATPart	CATScript	Yes	No	Joins two sweeps together
	Navigate Part with Error Handling	CATPart	CATScript	Yes	No	Error handling and hybridbodies navigation example
	New From Part	CATPart	CATScript	Yes	No	Create new document from part
	Object Update/Inactive check	CATPart	CATScript	Yes	No	Check whether an object needs to be updated or is deactive
	Part Density	CATPart	CATScript	Yes	No	Display the density of a part
	Publish Body	CATPart	CATScript	Yes	No	Publishes the PartBody
	SelectElement2 Example	CATPart	CATScript	Yes	No	Shows how to use SelectElement2 to select point, lines, planes, etc.
	SelectElement3 Example	CATPart	CATScript	Yes	No	Shows how to use SelectElement3 to select a join then copy it into a new part
	Trapezoid	CATPart	CATScript	Yes	No	Sketches a trapezoid shape with user input height and width on a plane selected by the user
CATProduct - (10)	Activation State (Function)	CATProduct	CATScript	No	No	Returns the activation state (active or de-active) of a product
	Description	CATProduct	CATScript	Yes	No	Returns component and reference product descriptions
	Export Spec Tree	CATProduct	CATScript	Yes	No	Export the spec tree to either an xls or txt file
	Extract BOM	CATProduct	CATScript	Yes	No	Extracts the BOM to a txt file
	Product to Design Mode	CATProduct	CATScript	No	No	Check to see if the top level product document is in design mode
	Save as 3dxml	CATProduct	CATScript	No	No	Save a product as a 3d xml file
	Delete Non-solids	CATProduct	CATScript	Yes	No	Delete all non-solids
	Added Properties	CATProduct	CATScript	Yes	No	Compares real part number to user added property
	Replace Node	CATProduct	CATScript	Yes	No	Replace an existing node with a saved file
	ScrollDownTree	CATProduct	CATScript	Yes	No	This macro will walk down the tree and display the part number for every component and if it is a part or product
Export from CATIA - (3)	Open or create empty Excel file	CATIA	CATVBA	No	No	Open or create an empty Excel spreadsheet from running macro inside CATIA
	Email	CATIA	VBA	N/A	N/A	Send an email from CATIA
	Launch Word from CATIA	Word	VBA	N/A	N/A	Creates and opens a new word document with the text "Welcome to your new document"
Excel - (3)	Excel to CATIA example	Excel	VBA	N/A	N/A	Creates a new product and parts in CATIA from an Excel sheet
	Combine Workbooks	Excel	VBA	N/A	N/A	Copies all the worksheets from all the workbooks in one folder into the active workbook.
	Create Folders	Excel	VBA	N/A	N/A	Create folders based on data listed in spreadsheet

Below Macros Only Available in Macro Pack: Expanded Edition found in the All-in Package: http://www.vbpdf.website

	Macro Name	ActiveDocument File Type	Language	In Design Mode?	Special License Required?	Description
Expanded Edition Macros - (13)	Capture Annotations	CATPart	CATScript	Yes	FTA	How to unhide annotations inside of a capture
	CATPart from CATProduct	CATProduct	CATScript	No	No	Converts a CATProduct into a single CATPart file
	Center of Gravity	CATProduct	CATScript	No	No	Finds the COG of a product
	Change_Logo_Example	CATDrawing	CATScript	No	No	Adds new image to background view in drawings
	Drawing Export No Details	CATDrawing	CATScript	No	No	Export drawing sheets as TIF minus any detail sheets
	Dynamic userform	CATProduct	CATVBA	Yes	No	Shows how to create a dynamic form (form changes based on CATIA data)
	Export Data to TXT via Stream	Any	CATScript	No	No	Shows how to export data to a text file while a macro is running
	Flower Project VBA	CATPart	CATVBA	Yes		Awesome project shows how to use VBA user forms
	Keep Smallest Split	CATPart	CATVBA	Yes	SPA	Keep the smallest side of a split
	Launch NC Workbench	Any	CATScript	No	No	Launches the prismatic machining workbench
	Publish Fastening Points	CATPart	CATScript	No	No	How to publish multiple points inside of a CATPArt
	Two Part Comparison	CATProduct	CATScript	Yes	SPA	Display changes between two parts (old version and new version of same part)
	V6 - Open parts using txt file on desktop	CATIA V6	CATIA V6	CATIA V6	CATIA V6	How to open parts in CATIA V6 using txt file on desktop
4th Edition Exercises - (4)	4.3 Viewpoint to ISO View	Any	CATScript	N/A	No	Switches the viewpoint to isometric view
	6.1 Delete a Geometrical Set	CATPart	CATScript	Yes	No	How to delete a geometrical set
	8.5 Draw a Circle in Drafting Workbench	CATDrawing	CATScript	N/A	No	Draw a 2D circle in the drafting workbench
	7.1 Delete All Deactive Features	CATPart	CATScript	Yes	No	This CATScript macro deletes all deactive components (not including sketches)