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Pumping up Productivity in the LAB with Macros One Character at a Time

I would like to Welcome and Introduce my lab assistants

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Class summary

In this class you will gain knowledge to create custom macros that apply to your business needs and enhance your productivity on designs. You will develop a custom tool palette placing all of your new macros on there for quick access.

Most importantly, you’ll be able to bring back value to your employer and the knowledge to help you excel within your field.
Key learning objectives

At the end of this class, you will be able to:

- Identify, change and create macros.
- Create a tool palette with custom macros enabled.
- Use the action recorder to create macros.
- Use macros to automate multiple tasks
What is a Macro

In AutoCAD macros can be shortcuts to a series of commands to help make the process of design more efficient.
The Action Recorder

The action recorder is simply a tool to record macros for later use. AutoCAD will read the commands you input then save as a macro.
Tool Palettes

Tool Palettes provide one of the quickest way to increase productivity without programming. A tool palette is a free-floating tab that you can bring up on screen and keep active while you work in your drawing, so you have quick access to common symbols, commands, and most any other tool you need to complete the design. Adding macros to palettes can increase productivity.
Exercise 1
Setting you Action Recorder Path in AutoCAD

C:\datasets\GEN16077-L Pumping up Productivity with Macros\Actions
Exercise 2

Drawing a 10 x 10 Box with the Action Recorder
Exercise 3
Modifying the Tool Palette Path with a Macro
Exercise 4

Setting up your blank AU palette with the Action Recorder
Exercise 5

Creating a Macro to Change Text Case

```
^C^C_tcase;\l;
```
Exercise 6
Quick Mtext

![Image of Tool Properties window with command string \^C^C_mtext;\w;0; highlighted]
Exercise 7
Open up a Web Page with a Macro

^C^C Browser;http://au.autodesk.com/
Exercise 8-1

Open up a PDF file with a Macro

`^C^C^P_browser (findfile "C:/datasets/GEN16077-L Pumping up Productivity with Macros/Standards/CAD_STD_AU2016.pdf")`
Exercise 8-2

Open up a Template with a Macro

```
^C^C^R_layout__template;"C:/datasets/GEN16077-L Pumping up Productivity with Macros/template/AU2016_Template.dwt"
```
Exercise 9
Create / Reset a Layer with a Macro

\[\text{Command: } \text{C^C\_layer;m;AU-DEFAULT;C;2;;LT;HIDDEN;;}^{\text{c}}\]
Exercise 10
Create Floating Viewports – The Ellipse

^C^C_ellipse;\\_mview;o;!
Exercise 11

Draw a Polyline on a layer with a specific width

Use the command `C^C_pline;w;10;;` to create a 2D polyline with a width of 0.10.
Exercise 12

Using DIESEL to Toggle Cursor Size

`^C^C$M=$(if,$(=,$(getvar,cursorsize),100),cursorsize;5;;,cursorsize;100;;)`
Exercise 13
Super Purge

^{C^C-layer;0:_-audit;y:-purge;a;_zoom:e;qsave;
(alert (strcat "Drawing Saved...This Class is AWESOME"))}
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Thank You!

My Name is Sam Lucido and I am CADproTips!

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