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|  | Chapter 18 Practice Questions – Controlling the Keyboard and Mouse with GUI Automation |
| **Q1** | **How can you trigger PyAutoGui’s fail safe to stop a program?** |
| A | PyAutoGUI has a fail-safe feature. Moving the mouse cursor to the upper-left corner of the screen will cause PyAutoGUI to raise the pyautogui.FailSafeException exception which can then be handled with try and except statements otherwise the exception just crashes the program.  Example:  Put the code that could potentially have an error in the try clause and put the code for what happens after the error occurs in the except clause |
| **Q2** | **What function returns the current resolution?** |
| A | Use the pyautogui.size() function (which returns a two-integer tuple of the width and height in pixels) |
| **Q3** | **What function returns the coordinates for the mouse cursor’s current position?** |
| A | Use the pyautogui.position() function. Returns a tuple of x and y coordinates |
| **Q4** | **What is the difference between pyautogui.moveTo() and pyautogui.moveRel()?** |
| A | pyautogui.moveTo(x, y) moves the mouse cursor to the given x and y coordinates  pyautogui.moveRel(xOffset, yOffset) moves the mouse cursor relative to its current position |
| **Q5** | **What function can be used to drag the mouse?** |
| A | Use pyautogui.dragTo(x, y) which moves the mouse cursor while the left button is held down |
| **Q6** | **What function call will type out the characters of “Hello world!”?** |
| A | Use pyautogui.typewrite(‘Hello world!’). You can ensure the correct text field is selected first by using the function: pyautogui.click(x,y) |
| **Q7** | **How can you save the current contents of the screen to an image file named screenshot.png?** |
| A | ~~Use the pyautogui.screenshot() function to assign the image to a variable~~  ~~Then imagevariablename.save(r’folder path\filename.png’)~~  pyautogui.screenshot(‘screenshot.png’) |
| **Q8** | **What code would set a two second pause after every PyAutoGUI function call?** |
| A | ~~Use the time.sleep() function~~  pyautogui.PAUSE= 2 |