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	Python Win Aptana Studio 3; IDE summary; Python folder structure; Where modules reside; Using Python's sys module to add a module; The sys.path.append() method; Summary; Chapter 3: Creating the First Python Script; Prerequisites; Model Builder; Creating a model and exporting to Python; Modeling the Select and Buffer tools; Adding the Intersect tool; Tallying the analysis results; Exporting the model and adjusting the script; The automatically generated script; File paths in Python; Continuing the script analysis: the arcPy tools; The intersect tool and string manipulation The string manipulation method 1-string addition The string manipulation method 2-string formatting #1; The string manipulation method 3-string formatting#2; Adjusting the Script; Adding the CSV Module to the script; Accessing the data: Using a cursor; The final script; Summary; Chapter 4: Complex ArcPy Scripts and Generalizing Functions; Python functions-Avoid repeating code; Technical definition of functions; A first function; Functions with parameters; Using functions to replace repetitive code; More generalization of the functions; Summary Chapter 5: ArcPy Cursors: Search, Insert and Update The data access module; Attribute field interactions; Update cursors; Updating the shape field; Adjusting a point location; Deleting a row using an Update Cursor; Using an Insert Cursor; Inserting a polyline geometry; Inserting a polygon geometry; Summary; Chapter 6: Working with ArcPy Geometry Objects; ArcPy Polyline objects; ArcPy Polygon objects; ArcPy Array objects; ArcPy Polyline objects; ArcPy Polygon objects; Polygon object buffers; Other Polygon object methods; ArcPy geometry objects; ArcPy PointGeometry objects; Summary Chapter 7: Creating a Script Tool
Sommario/riassunto	If you are a GIS student or professional who needs an understanding of how to use ArcPy to reduce repetitive tasks and perform analysis faster, this book is for you. It is also a valuable book for Python programmers who want to understand how to automate geospatial analyses.