DP201 - Designing an Azure Data Platform Solution

Lab 6 – Designing for Efficiency and Operations
Exercise 3

Task 1: Use Automation to Reduce Effort and Error

Use the table below to list the options for automation languages and approaches

Below are examples of the requirements that could be identified.

#	Automation methods
1	Azure CLI
2	PowerShell
3	Azure Resource Manager Templates

What is the difference between imperative and declarative automation?

With imperative automation, we're specifying how things are to be done. This is typically done programmatically through a scripting language or SDK. For Azure resources, we could use the Azure CLI or Azure PowerShell. With declarative automation, we're specifying what we want our result to be, leaving the details of how it's done to the system we're using. On Azure, declarative automation is done through the use of Azure Resource Manager templates.