[**Command Line**](https://linuxjourney.com/lesson/the-shell)

[**1. The Shell**](https://linuxjourney.com/lesson/the-shell)

[**2. pwd (Print Working Directory)**](https://linuxjourney.com/lesson/print-working-directory-pwd-command)

[**3. cd (Change Directory)**](https://linuxjourney.com/lesson/change-directory-cd-command)

* **. (current directory). This is the directory you are currently in.**
* **.. (parent directory). Takes you to the directory above your current.**
* **~ (home directory). This directory defaults to your “home directory”. Such as /home/pete.**
* **- (previous directory). This will take you to the previous directory you were just at.**

[**4. ls (List Directories)**](https://linuxjourney.com/lesson/list-directories-ls-commmand)

[**5. touch**](https://linuxjourney.com/lesson/touch-command)

[**6. file**](https://linuxjourney.com/lesson/file-command)

[**7. cat**](https://linuxjourney.com/lesson/cat-command)

[**8. less**](https://linuxjourney.com/lesson/less-command)

[**9. history**](https://linuxjourney.com/lesson/history-command)

[**10. cp (Copy)**](https://linuxjourney.com/lesson/copy-cp-command)

[**11. mv (Move)**](https://linuxjourney.com/lesson/move-mv-command)

[**12. mkdir (Make Directory)**](https://linuxjourney.com/lesson/make-directory-mkdir-command)

[**13. rm (Remove)**](https://linuxjourney.com/lesson/remove-rm-command)

[**14. find**](https://linuxjourney.com/lesson/find-command)

[**15. help**](https://linuxjourney.com/lesson/help-command)

[**16. man**](https://linuxjourney.com/lesson/man-command)

[**17. whatis**](https://linuxjourney.com/lesson/whatis-command)

[**18. alias**](https://linuxjourney.com/lesson/alias-command)

[**19. exit**](https://linuxjourney.com/lesson/exit-command)

**Content Description:**

**Create an IAM group called as ‘S3-Admins’ with ‘AmazonS3FullAccess’.**

**Create an IAM user called as ‘S3Admin1’ and add it to the ‘S3-Admins’ group.**

**Attach an IAM custom policy to the ‘S3-Admins’ group which should deny to delete objects.**

**Create an Inline policy for an IAM user and set some permission boundary for that user.**

**Create an IAM role with ‘AmazonS3FullAccess’ and attach the role to an EC2 instance.**

**Activate MFA for an IAM user and Set some Password Policies such as 1 uppercase, 1 lowercase etc**

**Question:**

**You are tasked with configuring AWS Identity and Access Management (IAM) to manage access to S3 resources while adhering to security best practices. Perform the following tasks:**

1. **Create an IAM group named S3-Admins and attach the AmazonS3FullAccess managed policy to it.**
2. **Create an IAM user named S3Admin1 and add it to the S3-Admins group.**
3. **Create and attach a custom IAM policy to the S3-Admins group that denies delete operations on S3 objects.**
4. **Create an inline policy for an IAM user and set a permission boundary for that user to restrict access.**
5. **Create an IAM role with the AmazonS3FullAccess policy and attach this role to an EC2 instance.**
6. **Activate Multi-Factor Authentication (MFA) for the IAM user and configure password policies to enforce:**
   * **At least 1 uppercase letter**
   * **At least 1 lowercase letter**
   * **At least 1 number**
   * **Minimum password length of 8 characters**

**Describe the steps and configurations you would perform in the AWS Management Console or using AWS CLI to achieve the above tasks.**