Security risk assessment report

Part 1: Select up to three hardening tools and methods to implement
1. Password policies : Employees must use 2FA, Passwords has to be upto NIST standards, regular password update must be enforced 2. Pen Test : need a Red team which can analyze and report about the attack surfaces and need a study about how these vulnerabilities can be solved 3. Data encryption : all data stored in the database must be Encrypted

Part 2: Explain your recommendations
1. Password policies will help to mitigate the vulnerabilities through password leaks which is a major issue right now 2. Pen test has to be conducted to know how deeply the organization is vulnerable inorder to form a security structure 3. Data encryption will ensure in case of any breach data will not be compromised