Exercise: DevOps Planning & Research

You are starting as a Junior DevOps in a IT Company. You get assigned to a new Project that develops software solutions for Banking systems. Currently, you are single devoted DevOps engineer on that project with mixed team members (Devs, QA, PM’s etc). Before the Kick-off of the Project, you are given the task to plan and research the best practices for the project.

1. Explain what steps you are taking for planning and research?

* Identify project goals and requirements and understand them well. This will help down the road with the project’s scope, timeline and resource requirements.
* Research industry best practices for banking software and various methodologies that will ensure most efficient practices are in place.
* Develop a plan with smaller tasks in communication with other team members.
* Ask senior colleagues for help.

1. How would you describe the process for DevOps best practices to your colleagues?

* First probably would be describing the culture of collaboration and communication.   
  Then, “buzz” topics such as: CI/CD, Infrastructure as Code, Automated Testing, Security…

1. How would you organize your time for planning and research?

* With the scope of the project well defined and the requirements from the rest of the team, the next steps would be determining the timeline and what tasks need to be prioritized, ensuring there is enough time to evaluate and compare options.

1. What methods and tools are you using during this process?

* Emacs 😊. And whatever else everyone in the company is using.

1. Describe the short (imagined) presentation of your research and planning, for your team briefly:

* Describe the above-mentioned findings, explain them well and take feedback from the rest of the team.