1.What is the role of AWS/Azure/GCP in DevOps?

-->AWS has the following role in DevOps:

* Flexible Services - Provides ready to use flexible services without any need to install or setup a software.
* Built for Scale - You can manage a single instance or scale to thousands using AWS services and compute resources by simplifying provisioning, configuration, and scaling.
* Automation - AWS helps you use automation in order to automate tasks, processes, and build faster.
* Secure - Using AWS Identity and Access Management (IAM), you can set user permissions and policies.

2. How will you approach a project that needs to implement DevOps?

-->Start with Small Initiatives, Follow Agile Principles, Prepare the Environment

3. Mention some of the core benefits of DevOps.

→ Better Collaboration, Speed and quality, stable operating environments.

4. What are the different phases in DevOps?

→ Plan, Code, Build, Test, Deploy, Operate, Monitor

5. Explain the concept of branching in Git.

→ A Git branch is essentially an independent line of development.

6. What is a merge conflict in Git, and how can it be resolved?

→ Conflicts generally arise when two people have changed the same lines in a file, or if one developer deleted a file while another developer was modifying it. The most direct way to resolve a merge conflict is to edit the conflicted file. simply remove all the conflict dividers.