# Senior SRE test assignment

Your task is to create two scripts: one for MySQL database backup and upload, one for testing restore of the backup file. **In the result we will wait for a link to a Github repository.**

## Acceptance criteria

- You can use any programming language, but don't over-engineer (even bash script can be enough)
- Each script should have proper logging and alerting, meaning it should output backup/restoration progress to STDOUT and send an alert in case of critical error
- You can choose one of channels for alerting: Slack, SMS, email or other
- Backup script
    - You should choose a backup strategy according to the DB node params: 150gb of data, linux env.
    - It should backup data and scheme separately
    - In the result backup file should be uploaded to a public cloud (AWS, GCP or any other)
    - You should optimise it for speed and upload time (don't forget that this backup should be restored and restoration speed is more important than backup speed)
- Restore script
    - Script should test previously backed up data for consistency and possible recovery in case of disaster
    - Think about going from "cheap tests" to more robust ones when testing restore, in the end we should be 100% sure that data is consistent.
    - You should optimise it for speed
- Create operational documentation in Readme.md file in a repository.
- Add any comments to the Readme.md file on why this backup method is good or bad and what can be improved if our database keeps growing in size.