

## Exercise

1. Write a YAML file that defined a secret named “db-creds” representing database connection. A database connection is composed of the following:
  - a. Username - root\_user
  - b. Password - Experts!123
  - c. Database URL - mysql.services.com
2. Write a YAML file that deploys an NGINX pod that mounts those secrets under /usr/share/nginx/html in the NGINX container.
3. BONUS: Split the NGINX pod to be constructed from 3 different pods, each one of them mounts a specific secret from the secret and expose those pods with ingress as follows:
  - a. mysql.services.com/username
  - b. mysql.services.com/password
  - c. mysql.services.com/url

## What to send me?

1. YAML Files.

# Answers

```
apiVersion: v1
kind: Pod
metadata:
  name: nginx-secret
  labels:
    app: nginx-secret
spec:
  containers:
    - name: nginx-secret
      image: nginx
      ports:
        - containerPort: 80
      volumeMounts:
        - name: secret
          mountPath: "/usr/share/nginx/html"
          readOnly: true
  volumes:
    - name: secret
      secret:
        secretName: secret-example
---
apiVersion: v1
kind: Secret
metadata:
  name: secret-example
type: Opaque
data:
  username: cm9vdF91c2VyCg==
  password: RXhwZXJ0cyExMjMK
  db_url: bXlzcWwuc2VydmljZXMuY29tCg==
```