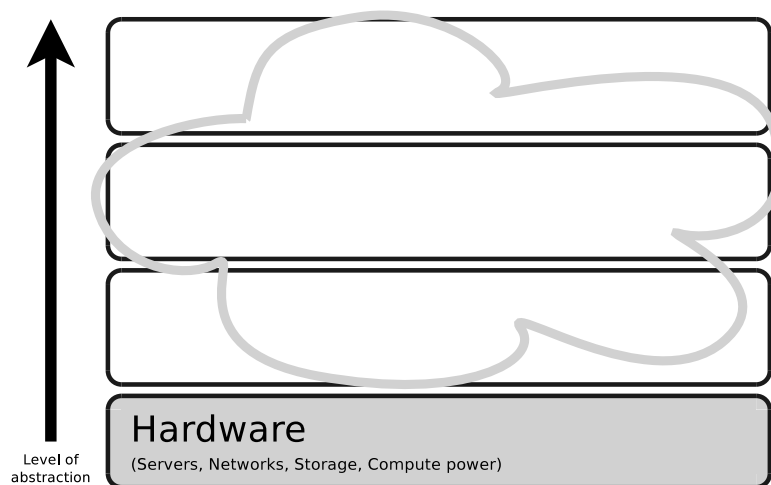# Exercise Sheet 3

Exercise 1   (Cloud Services)

1. In which category of cloud services is human creativity offered for low cost or donated from volunteers?
2. Why is the term *Cloud Operating System* misleading?
3. In which category of cloud services can customers run virtual server instances and even realize virtual data centers?
4. What is a PaaS, and what can customers do with it?
5. What do customers need to use software services?
6. What is the main difference between Public and Private Cloud services?
7. What is a Hybrid Cloud?

Exercise 2   (Service Categories and Offerings)

1. Assign these categories of cloud services to the layers in the figure

   - PaaS
   - Cloud Gaming
   - Serverless Computing
   - Cloud Printing
   - IaaS
   - HPCaaS
   - FaaS
   - HuaaS
   - Cloud Operating System
   - SaaS

2. Assign these cloud service offerings to the layers in the figure

- Google App Engine
- Google Cloud Print
- Amazon Elastic Compute Cloud
- Amazon Mechanical Turk
- eyeOS
- EC2 Cluster Compute Instances
- Google Apps
- OnLive
- Amazon Simple Storage Service
- Windows Azure
- AWS Lambda
- Microsoft Office 365
- AWS Elastic Beanstalk
- Apache OpenWhisk