

# Klausur

Donnerstag, 28. Juli 2022 23:16

1) **DisSys Yes or No?**

- a) 8 CPUs, numerical tasks, several processes, exchanging data via shared main memory
- b) 18 PCs. Each has its own OS and Software, saving data on own separate harddrive. All own hardware

2) **Explain 2 Transparency**

this: access  
: migration

3) **java.net. code/Socket** establish connection, get data, send answer, close  
missing lines, choose between alternatives  
DatagramSocket | DatagramPacket

4) **Socket Host** connects to 3 clients. How many Socket/DatagramSocket Objects need to be initialized with

- a) TCP
- b) UDP

5) **RMI**. linear list. dynamically linked object. fixed start object

A -> A -> A -> A

| | | |

v v v v

B -> B -> B -> B

Which object needs to be registered in name server

6) **JSM Publish/Subscribe**

Server publishes 2 messages m1, m2 without an active subscriber. a subscriber comes online. after that messages m3, m4 are published. In which order does the subscriber receive the messages?

7) **Servlet/Servlet Code**

- a) HTML form, missing parts&ltbr/><action \_\_\_\_>
- b) <input type=textsize=20\_\_\_\_>

8) **JSP**

```
< int b = 1;>
<int c = 12;>
<!c++;>
<=b++>
<p> Wert 1: <=b>
<p> Wert 2: <=c++>
```

Output first execution?

Output 4th execution?

9) **Servlet:** mechanisms to recognize clients

10) **POJO**

Class code  
is it well defined? which attributes?

```
string name  
string city  
setSurname(name=input)  
getSurname(return name)  
setAddress(city=input)  
getAddress(return city)
```

11) **XML DTD**

XML Code -> well-defined? valid?

12) **Webservices**

Which language is used to formally describe Webservices?

13) **SOAP**

Structure SOAP Message? Explain Parts

14) **Timeserver** ? Algorithms

Request Time clock = 2

Time Arrival Response clock = 12

Response Time 11

Which time do you set the clock?

15) **REST**: What does Rest stand for?

16) What does idempotence stand for?