STUDENT VERSION (TW-11)

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

▶ Icebreaking

▶ Questions

▶ Interview Questions

▶ Coffee Break

▶ Video of the week

▶ Retro meeting

Teamwork Schedule

Ice-breaking   10m

- Personal Questions (Stay at home & Corona, Study Environment, Kids etc.)
- Any challenges (Classes, Coding, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Ask Questions   50m

1. What will be the output of the following Python code?

```
random.randrange(0,91,5)
```

A. 10
B. 18
C. 79
D. 95

2. What is the output of the following program?

```
def foo():
    try:
        return 1
    finally:
        return 2
k = foo()
print(k)
```

A. 8
B. 6
C. 4
D. 2

3. What will be the output of the following Python code snippet?

```
x=10
y=8
assert x>y, 'X too small'
```

A. Assertion Error

B. 10 8

C. No output

D. 108

4. Which of the following is not an exception handling keyword in Python?

A. try

B. except

C. accept

D. finally

5. What will be the output of the following Python code?

```python
valid = False
while not valid:
    try:
        n=int(input("Enter a number"))
        while n%2==0:
            print("Bye")
        valid = True
    except ValueError:
        print("Invalid")
```

A. Bye (printed once)

B. No output

C. Invalid (printed once)

D. Bye (printed infinite number of times)

6. What will be the output of the following Python code?

```python
def f(x, y, z): return x + y + z
f(2, 30, 400)
```

A. 431

B. 432

C. 24000

D. 2212

7. What will be the output of the following Python code?

```
{a**2 for a in range(4)}
```

A. {1, 4, 9, 16}
B. {0, 1, 4, 9, 16}
C. {0, 1, 4, 9}
D. Error

8. What will be the output of the following Python code?

```
import copy
a=[10,23,56,[78]]
b=copy.deepcopy(a)
a[3][0]=95
a[1]=34
print(b)
```

A. [10,34,56,[95]]
B. [10,23,56,[78]]
C. [10,23,56,[95]]
D. [10,34,56,[78]]

9. What will be the output of the following Python code?

```
a=[1,2,3,4]
b=[sum(a[0:x+1]) for x in range(0,len(a))]
print(b)
```

A. 10
B. [1,3,5,7]
C. [1,3,6,10]
D. 8

10. What will be the output of the following Python code?

```
print('abcefd'.replace('cd', '12'))
```

A. ab1ef2
B. abcefd
C. ab1efd
D. ab12ed2

11. A computer that enables resource sharing by other computers on the same network.

A. Host
B. Throughput
C. RG-58
D. Core

12. Which piece of hardware would reduce the size of a broadcast domain?

A. Hub
B. Router
C. Packet injector
D. Switch

13. What is the purpose of the OSI model?

A. Enable users to access the internet
B. Improve the network performance by compressing data
C. To provide a set of standards for manufacturers
D. Make network devices such as a router, switch, hub communicate with each other

14. 1,000,000,000 bits per second is nearly

A. 1 gigabit per second(Gbps)
B. 1 megabit per second(Mbps)
C. 1 kilobit per second(Kbps)
D. 1 terabit per second(Tbps)

15. The seventh layer of the OSI model. This layer's protocols enable software programs to negotiate formatting, procedural, security, synchronization, and other requirements with the network.

A. Transmission Media
B. Session Layer
C. Application Layer
D. Physical Layer

16. "It is any device that can connect to a network. It can be used to describe endpoint devices, such as computers, laptops, servers, IP phones, smartphones, or printers, and connecting or forwarding devices, such as switches and routers." Which of the following is described?

A. Node
B. Workstation

C. Server

D. Segment

This type of architecture would be a hybrid cloud. Because we are using both, the public cloud, and your on premises servers i.e the private cloud.

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17. A type of transmission in which signals may travel in both directions over a medium simultaneously.

A. Flow Control

B. Half-duplex

C. Full-duplex

D. Iconvergence

18. Encapsulation is the process of taking data from one protocol and translating it into another protocol, so the data can continue across a network.

A. True

B. False

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Coffee Break   10m

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Video of the Week   25m

- Data Scientist vs Data Analyst
- Cloud Architect vs SysOps vs DevOps Engineer
- Frontend vs Backend Developer

Retro Meeting on a personal and team level   10m

Ask the questions below:

- What went well?
- What could be improved?
- What will we commit to do better in the next week?

Closing   5m

- QA Session

- Farewell