STUDENT VERSION (TW-10)

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

▶ Icebreaking

▶ Questions

▶ 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   30m

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

```
def san(x):
    print(x+1)
x=-2
x=4
san(12)
```

A. 13

B. 10

C. 2

D. 5

2. What is the output of the following program?

```
def foo(fname, val):
    print(fname(val))
foo(max, [1, 2, 3])
foo(min, [1, 2, 3])
```

A.

```
3
1
```

B.

```
1
3
```

C.

```
1
1
```

D.

```
3
2
```

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

```python
count = 0
my_string = "Clarusway"
my_char = "a"
for i in my_string:
    if i == my_char:
        count += 1
print(count)
```

A. True

B. 1

C. 2

D. 3

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

```python
num = 2013
reversed_num = 0

while num != 0:
    digit = num % 10
    reversed_num = reversed_num * 10 + digit
    num //= 10

print(reversed_num)
```

A. Error

B. 2013

C. 3102

D. 2222

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

```python
f=lambda x:bool(x%2)
print(f(20), f(21))
```

A. False True

B. False False

C. True True

D. True False

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

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

A. 10

B. 18

C. 79

D. 95

7. What is the output of the following program?

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

A. 8

B. 6

C. 4

D. 2

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

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

A. Assertion Error

B. 10 8

C. No output

D. 108

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

A. try

B. except

C. accept

D. finally

10. 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)

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

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

A. 10

B. 18

C. 79

D. 95

12. What is the output of the following program?

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

A. 8

B. 6

C. 4

D. 2

13. 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

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

A. try

B. except

C. accept

D. finally

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

```
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)

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

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

A. 431

B. 432

C. 24000

D. 2212

17. 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

18. 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]]

19. 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

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

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

A. ab1ef2

B. abcefd

C. ab1efd

D. ab12ed2

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

A. Host

B. Throughput

C. RG-58

D. Core

22. What is Microsoft protocol that allows a user to view and control the desktop of a remote computer?

A. SSH

B. IKE

C. RDP

D. Packet-filtering Firewall

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

A. Hub

B. Router

C. Packet injector

D. Switch

24. 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

25. 1,000,000,000 bits per second

A. 1 gigabit per second(Gbps)

B. 1 megabit per second(Mbps)

C. 1 kilobit per second(Kbps)

D. 1 terabit per second(Tbps)

Videos of the Week   **10m**

- **Cloud Architect vs SysOps vs DevOps Engineer**

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

- **Next week's plan**

- **QA Session**