

# STUDENT VERSION (AWS & DevOps-TW-6)

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CLARUSWAY  
WAY TO REINVENT YOURSELF

## Meeting Agenda

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- ▶ Icebreaking
- ▶ Questions
- ▶ Video of the week
- ▶ Retro meeting

# Teamwork Schedule

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## 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?**

```
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?**

```
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?

```
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?

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

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

7. 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

8. 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**

**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?**

```
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?**

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

**A. 10**

**B. 18**

**C. 79**

**D. 95**

**12. 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

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?

```
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**