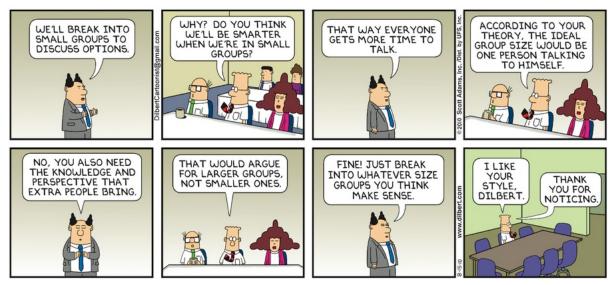
Iteration II

Meta Activity: Team Disruptions

Common disruptions to learning in teams include: talking about topics that are off-task, teammates answering questions on their own, entire teams working alone, limited or no communication between teammates, arguing or being disrespectful, rushing to complete the activity, not being an active teammate, not coming to a consensus about an answer, writing incomplete answers or explanations, ignoring ideas from one or more teammates.

- 1. Pick four of the disruptions listed above. For each one, find something from the role cards that could help improve the team's success. Use a different role for each disruption.
 - a) Manager:
 - b) Presenter:
 - c) Recorder:
 - d) Reflector:



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Functions and for loops practice

2. Evaluate the following **for** loop:

```
def main() -> None:
    for i = 0 to 5:
        print(i, end = "")
main()
```

3. What is the output of the following code snippet? Draw the loop table for each for loop.

```
def main() -> None:
    for i in range(4):
        print("i:", i+1)

for j in range(4,0,-1):
        print("j: "+str(j))
main()
```


4. What is the output for print_pattern('cat',3)?

```
def print_pattern(word: str, copies: int) -> None:
    phrase = " * "
    for count in range(copies):
        phrase = phrase + word + " * "
        print(phrase)
```

5. What is the output for print_pattern(3, 'hi')?

```
def print_pattern(cnt: int, instr: str) -> None:
    mystr = "Be"
    for i in range(cnt):
        mystr = mystr + instr * i + "!" * (cnt-i)
        print(mystr)
```

6. What is the output for print_pattern(3)?

```
def ants(repeat: int) -> None:
    ants = 1
    for i in range(repeat):
        print('The ants go marching', i, 'by', ants)
        ants = ants * 2
        print('hurrah ' * (i + 1))
    print('And ' + str(ants) + ' ants go marching down into the ground')
```

7. In honor of Valentine's day, write a *lovely* function called valentine that takes someone's name as a parameter, then prints it in a particular format. For example, for 'abi', the output must be:

```
I love a
I love b
I love i
I love a b i !
```

That is, the function should print, on separate lines, each letter of the name with "I love" before it. The function should also print one line at the very end with the full name of the person with a single space between each character of the name, followed by an exclamation point.

8. Write a function called cheer that takes someone's name as a parameter and prints a cheer in a particular format. For example, for 'Fred', the output must be:

```
F!
rr!
eee!
dddd!
```

That is, the function should print a number of copies of each letter of the name on a separate line. The number of copies should increase with the number of lines printed. Each line should end with an exclamation point – and there should be no space between the exclamation point and the letters of the name. **Hint**: nested loops are not needed for this problem.

9. Write a function called get_int that takes in a list of digits, calculates and returns the number corresponding to the digits in the list. For example, get_int([3,7,1]) must return 371.