In [ ]:
```python
#append(), insert(), extend()

myDomain = ["User Profile", "Health Metrics", "Exercise Log", "Nutrition Log", "
print("Original: ", myDomain)
myDomain.append("Health Assessment")
print("Appended: ", myDomain)
myDomain.insert(2, "Wellness Dashboard")
print("Inserted: ", myDomain)
extended_list = ["Meal Plan", "Activity Tracker", "Workout Routine"]
myDomain.extend(extended_list)
print("Extended: ", myDomain, "\n")
```

```
Original:  ['User Profile', 'Health Metrics', 'Exercise Log', 'Nutrition Log', 'F
itness Goal']
Appended:  ['User Profile', 'Health Metrics', 'Exercise Log', 'Nutrition Log', 'F
itness Goal', 'Health Assessment']
Inserted:  ['User Profile', 'Health Metrics', 'Wellness Dashboard', 'Exercise Lo
g', 'Nutrition Log', 'Fitness Goal', 'Health Assessment']
Extended:  ['User Profile', 'Health Metrics', 'Wellness Dashboard', 'Exercise Lo
g', 'Nutrition Log', 'Fitness Goal', 'Health Assessment', 'Meal Plan', 'Activity
Tracker', 'Workout Routine']
```

In [ ]:
```python
#SWAPPING

myList = [x for x in range(21) if x%2 == 0]
print("Original: ", myList)
myList[0], myList[len(myList)-1] = myList[len(myList)-1], myList[0]
print("Swapped: ", myList, "\n")
```

```
Original:  [0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20]
Swapped:  [20, 2, 4, 6, 8, 10, 12, 14, 16, 18, 0]
```

In [ ]:
```python
#SUM OF DIGITS

myList = [x for x in range(21) if x%2 == 0]
sum = sum(myList)
print("Sum of list elements = ", sum,"\n")
```

```
Sum of list elements =  110
```

In [ ]:
```python
#SMALLEST ELEMENT

anyList = [2,5,3,7,6,1,8,9,4,0,-1]
min = anyList[0]
for x in anyList:
    if(x<min): min = x
print("Minimum: ", x, '\n')
```

```
Minimum:  -1
```

In [ ]:
```python
#SORT DICTIONARY BASED ON KEY

myDict = my_dict = {'b': 2, 'a': 1, 'd': 4, 'c': 3}
sorted_dict = dict(sorted(my_dict.items()))
```

```
print("Original: ", my_dict)
print("Sorted: ", sorted_dict, '\n')
```

```
Original:  {'b': 2, 'a': 1, 'd': 4, 'c': 3}
Sorted:  {'a': 1, 'b': 2, 'c': 3, 'd': 4}
```

In [ ]:
```
#SUM OF VALUES

my_dict = {'a': 1, 'b': 2, 'c': 3, 'd': 4, 'e': 5, 'f': 6, 'g': 7, 'h': 8, 'i':
count = 0
for key in my_dict:
    count += my_dict[key]
print("Sum of values = ", count, '\n')
```

```
Sum of values =  55
```

In [ ]:
```
my_dict = {'c': 8, 'a': 4, 'b': 10, 'd': 6}

sorted_dict = dict(sorted(my_dict.items(), key=lambda item: item[1], reverse=Tru

print("Original Dictionary:", my_dict)
print("Sorted Dictionary:", sorted_dict)
```

```
Original Dictionary: {'c': 8, 'a': 4, 'b': 10, 'd': 6}
Sorted Dictionary: {'b': 10, 'c': 8, 'd': 6, 'a': 4}
```