

DAY 3 TASK.py - C:/Users/krsu/OneDrive/Desktop/internship/DAY 3 TASK.py (3.10.0)

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'''

Task 1: ["apple", "banana", "cherry"]

1. ["apple", "banana", "cherry", "orange"]
2. ["apple", "mango", "banana", "cherry", "orange"]
3. ["apple", "mango", "banana", "cherry", "orange", "kiwi", "grape"]

'''

list = ["apple", "banana", "cherry"]

list.append("orange")
print(list) # ["apple", "banana", "cherry", "orange"]

list.insert(1, "mango")
print(list) # ["apple", "mango", "banana", "cherry", "orange"]

list.extend(["kiwi", "grape"])
print(list) # ["apple", "mango", "banana", "cherry", "orange", "kiwi", "grape"]

print("=====")

'''

Task 2: [10,20,30,40,50]

1. [10,20,300,40,50]
2. [10,200,3000,400,50]

'''

list = [10, 20, 30, 40, 50]

list[2] = 300
print(list) # [10,20,300,40,50]

list[1] = 200
list[2] = 3000
list[3] = 400
print(list) # [10,200,3000,400,50]

print("=====")

'''

Task 3: [1,2,3]

1. [1,100,2,3]
2. [1,100,2,999]

'''

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```
2. [1,100,2,999]
...
list = [1, 2, 3]

list.insert(1, 100)
print(list)  # [1,100,2,3]

list[3] = 999
print(list)  # [1,100,2,999]

print("=====")  
  
...
Task 4: [10,20,30,40,50]

1. [10,20,30,40,50,60]
2. [5,10,20,30,40,50,60]
3. [5,10,20,30,40,50,60,70,80,90]
...
list = [10, 20, 30, 40, 50]

list.append(60)
print(list)  # [10,20,30,40,50,60]

list.insert(0, 5)
print(list)  # [5,10,20,30,40,50,60]

list.extend([70, 80, 90])
print(list)  # [5,10,20,30,40,50,60,70,80,90]

print("=====")  
  
...
Task 5: [42,3.14,"Hello",True]

1. [2.718,3.14,"Hello",True]
2. [2.718,3.14,"Hello",True,1000]
3. [2.718,False,3.14,"Hello",True,1000]
4. [5,3.14,"Hello",True,1000]
...
list = [42, 3.14, "Hello", True]
```

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```
list[0] = 2.718
print(list)

list.append(1000)
print(list)

list.insert(1, False)
print(list)

list[0] = 5
list.pop(1)
print(list)

print("=====")

"""
Task 6: ["Cat", "Dog", "Lion", "Tiger", "Rabbit", "Monkey"]
"""
list = ["Cat", "Dog", "Lion", "Tiger", "Rabbit", "Monkey"]

print(list[2])          # Lion
print(list[4:2:-1])    # ['Monkey', 'Rabbit']
print(list[3:0:-1])    # ['Tiger', 'Lion', 'Dog']
print(list[0:3])        # ['Cat', 'Dog', 'Lion']
print(list[3:5])        # ['Tiger', 'Rabbit']
print(list[-1:-5:-1])  # ['Monkey', 'Rabbit', 'Tiger', 'Lion']
print(list[2::-1])      # ['Lion', 'Dog', 'Cat']

list.reverse()
print(list)

print("=====")

"""
Task 7: [50, "apple", True, "car", 40.5]
"""
list = [50, "apple", True, "car", 40.5]

print(len(list))
list[2] = False
print(list)
```

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```
list[2] = False
print(list)

list[1:3] = ["kiwi", "boat", 20]
print(list)

list[0] = 5000
print(list)

list.remove(5000)
print(list)

list.pop(1)
print(list)

del list[-1]
print(list)

list.append(100)
print(list)

list.insert(0, "banana")
print(list)

list.insert(3, 30.5)
print(list)

list.clear()
print(list)

print("=====")

"""
Task 8: [50,-1,2,100,-6,-3,67,79,-55]
"""
list = [50, -1, 2, 100, -6, -3, 67, 79, -55]

list.reverse()
print(list)

list.sort()
print(list)

list.sort(reverse=True)
print(list)
```

```
>>> ===== RESTART: C:/Users/krsu/OneDrive/Desktop/internship/DAY 3 TASK.py =====
['apple', 'banana', 'cherry', 'orange']
['apple', 'mango', 'banana', 'cherry', 'orange']
['apple', 'mango', 'banana', 'cherry', 'orange', 'kiwi', 'grape']
=====
[10, 20, 300, 40, 50]
[10, 200, 3000, 400, 50]
=====
[1, 100, 2, 3]
[1, 100, 2, 999]
=====
[10, 20, 30, 40, 50, 60]
[5, 10, 20, 30, 40, 50, 60]
[5, 10, 20, 30, 40, 50, 60, 70, 80, 90]
=====
[2.718, 3.14, 'Hello', True]
[2.718, 3.14, 'Hello', True, 1000]
[2.718, False, 3.14, 'Hello', True, 1000]
[5, 3.14, 'Hello', True, 1000]
=====
Lion
['Rabbit', 'Tiger']
['Tiger', 'Lion', 'Dog']
['Cat', 'Dog', 'Lion']
['Tiger', 'Rabbit']
['Monkey', 'Rabbit', 'Tiger', 'Lion']
['Lion', 'Dog', 'Cat']
['Monkey', 'Rabbit', 'Tiger', 'Lion', 'Dog', 'Cat']
=====
5
[50, 'apple', False, 'car', 40.5]
[50, 'kiwi', 'boat', 20, 'car', 40.5]
[5000, 'kiwi', 'boat', 20, 'car', 40.5]
['kiwi', 'boat', 20, 'car', 40.5]
['kiwi', 20, 'car', 40.5]
['kiwi', 20, 'car']
['kiwi', 20, 'car', 100]
['banana', 'kiwi', 20, 'car', 100]
['banana', 'kiwi', 20, 30.5, 'car', 100]
[]
=====
[-55, 79, 67, -3, -6, 100, 2, -1, 50]
[-55, -6, -3, -1, 2, 50, 67, 79, 100]
[100, 79, 67, 50, 2, -1, -3, -6, -55]
>>>
```