ryanpan@RyanPanPC /Volumes/MyWorks/D\_Data/teaching/109/Python/Course slides/week 06.JsonSocketThread\_server/quiz/client$ python3 main\_client.py

add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: show

The client sent data => {'command': 'show', 'parameters': {}}

The client received data => {'status': 'OK', 'parameters': []}

==== student list ====

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add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: add

Please input a student's name: John

The client sent data => {'command': 'query', 'parameters': {'name': 'John'}}

The client received data => {'status': 'Fail', 'reason': 'The name is not found.'}

Please input a subject name or exit for ending: English

Please input John's English score or < 0 for discarding the subject: 99

Please input a subject name or exit for ending: Chinese

Please input John's Chinese score or < 0 for discarding the subject: 90

Please input a subject name or exit for ending: exit

The client sent data => {'command': 'add', 'parameters': {'name': 'John', 'scores': {'English': 99.0, 'Chinese': 90.0}}}

The client received data => {'status': 'OK'}

Add {'name': 'John', 'scores': {'English': 99.0, 'Chinese': 90.0}} success

add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: add

Please input a student's name: Tom

The client sent data => {'command': 'query', 'parameters': {'name': 'Tom'}}

The client received data => {'status': 'Fail', 'reason': 'The name is not found.'}

Please input a subject name or exit for ending: Math

Please input Tom's Math score or < 0 for discarding the subject: 80

Please input a subject name or exit for ending: Algo

Please input Tom's Algo score or < 0 for discarding the subject: 90

Please input a subject name or exit for ending: exit

The client sent data => {'command': 'add', 'parameters': {'name': 'Tom', 'scores': {'Math': 80.0, 'Algo': 90.0}}}

The client received data => {'status': 'OK'}

Add {'name': 'Tom', 'scores': {'Math': 80.0, 'Algo': 90.0}} success

add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: show

The client sent data => {'command': 'show', 'parameters': {}}

The client received data => {'status': 'OK', 'parameters': [{'name': 'John', 'scores': {'English': 99.0, 'Chinese': 90.0}}, {'name': 'Tom', 'scores': {'Math': 80.0, 'Algo': 90.0}}]}

==== student list ====

Name: John

subject: English, score: 99.0

subject: Chinese, score: 90.0

Name: Tom

subject: Math, score: 80.0

subject: Algo, score: 90.0

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add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: modify

Please input a student's name: Kelly

The client sent data => {'command': 'query', 'parameters': {'name': 'Kelly'}}

The client received data => {'status': 'Fail', 'reason': 'The name is not found.'}

The name Kelly is not found

add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: modify

Please input a student's name: Tom

The client sent data => {'command': 'query', 'parameters': {'name': 'Tom'}}

The client received data => {'status': 'OK', 'index': 1, 'scores': {'Math': 80.0, 'Algo': 90.0}}

current subjects are Math Algo

Please input a subject you want to change: Math

Please input Math's new score of Tom: 100

The client sent data => {'command': 'modify', 'parameters': {'index': 1, 'scores\_dict': {'Math': 100.0, 'Algo': 90.0}}}

The client received data => {'status': 'OK'}

Modify [Tom, Math, 100.0] success

add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: modify

Please input a student's name: Tom

The client sent data => {'command': 'query', 'parameters': {'name': 'Tom'}}

The client received data => {'status': 'OK', 'index': 1, 'scores': {'Math': 100.0, 'Algo': 90.0}}

current subjects are Math Algo

Please input a subject you want to change: Prog

Add a new subject for Tom please input Prog score or < 0 for discarding the subject: 11

The client sent data => {'command': 'modify', 'parameters': {'index': 1, 'scores\_dict': {'Math': 100.0, 'Algo': 90.0, 'Prog': 11.0}}}

The client received data => {'status': 'OK'}

Add [Tom, Prog, 11.0] success

add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: show

The client sent data => {'command': 'show', 'parameters': {}}

The client received data => {'status': 'OK', 'parameters': [{'name': 'John', 'scores': {'English': 99.0, 'Chinese': 90.0}}, {'name': 'Tom', 'scores': {'Math': 100.0, 'Algo': 90.0, 'Prog': 11.0}}]}

==== student list ====

Name: John

subject: English, score: 99.0

subject: Chinese, score: 90.0

Name: Tom

subject: Math, score: 100.0

subject: Algo, score: 90.0

subject: Prog, score: 11.0

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add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: del

Please input a student's name: test

The client sent data => {'command': 'query', 'parameters': {'name': 'test'}}

The client received data => {'status': 'Fail', 'reason': 'The name is not found.'}

add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: del

Please input a student's name: John

The client sent data => {'command': 'query', 'parameters': {'name': 'John'}}

The client received data => {'status': 'OK', 'index': 0, 'scores': {'English': 99.0, 'Chinese': 90.0}}

Confirm to delete (y/n): y

The client sent data => {'command': 'delete', 'parameters': {'name': 'John', 'index': 0}}

The client received data => {'status': 'OK'}

Delete success

add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: del

Please input a student's name: Tom

The client sent data => {'command': 'query', 'parameters': {'name': 'Tom'}}

The client received data => {'status': 'OK', 'index': 0, 'scores': {'Math': 100.0, 'Algo': 90.0, 'Prog': 11.0}}

Confirm to delete (y/n): no

Confirm to delete (y/n): yes

Confirm to delete (y/n): N

add: Add a student's name and score

del: Delete a student

modify: Modify a student's score

show: Print all

exit: Exit

Please select: exit

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Please select: show

The client sent data => {'command': 'show', 'parameters': {}}

The client received data => {'status': 'OK', 'parameters': [{'name': 'Tom', 'scores': {'Math': 100.0, 'Algo': 90.0, 'Prog': 11.0}}]}

==== student list ====

Name: Tom

subject: Math, score: 100.0

subject: Algo, score: 90.0

subject: Prog, score: 11.0

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