Exercise (Spring Container)

Q1 :
Output:
hey from message1
Explanation:
1. Method getMessage1() will run and print the sentence
2. The return of getMessage1() "1" will be in the container.

Q2:
Output:
hey from message1
hey from message2
Explanation:
1. Method getMessage1() will run because it is independent.
2. The return of getMessage1() "1" will be in the container.
3. Method getMessage2() will run because Qualifier("1") exists in the container.

Q3 :
Output(1):
hey from message1
hey from message3
hey from message2
Explanation:
1. Method getMessage1() will run because it is independent.
2. the return of getMessage1() "1" will be in the container.
3. Method getMessage3() will run because it is independent.
4. Method getMessage2() will run because Qualifier("3") exists in the container.
5. the return of getMessage2() data will be in the container.

hey from message3
hey from message1
hey from message2
1. Method getMessage3() will run because it is independent.
2. The return of getMessage3() "3" will be in the container.
3. Method getMessage1() will run because it is independent.
4. The return of getMessage1() "1" will be in the container.
5. Method getMessage2() will run because Qualifier("3") exists in the container.

hey from message3
hey from message2
hey from message1
1. Method getMessage3() will run because it is independent.
2. The return of getMessage3() "3" will be in the container.
3. Method getMessage2() will run because Qualifier("3") exists in the container.
4. Method getMessage1() will run because it is independent.
5. The return of getMessage1() "1" will be in the container.

Q4 :

hey from message1
hey from message3
hey from message2
hey from Main controller
1. Method getMessage1() will run because it is independent.
2. the return of getMessage1() "1" will be in the container.
3. Method getMessage3() will run because it is independent.
4. the return of getMessage3() "3" will be in the container.

5. Method getMessage2() will run because Qualifier("3") exists in the container.
6. the return of getMessage2() data will be in the container.
7. Method MainController() will run because Qualifier("1") exists in the container.

hey from message3
hey from message1
hey from message2
hey from Main controller
Explanation:
1. Method getMessage3() will run because it is independent.
2. The return of getMessage3() "3" will be in the container.
3. Method getMessage1() will run because it is independent.
4. The return of getMessage1() "1" will be in the container.
5. Method getMessage2() will run because Qualifier("3") exists in the container.
6. Method MainController() will run because Qualifier("1") exists in the container.

hey from message3
hey from message2
hey from message1
hey from Main controller
Explanation:
1. Method getMessage3() will run because it is independent.
2. The return of getMessage3() "3" will be in the container.
3. Method getMessage2() will run because Qualifier("3") exists in the container.
4. Method getMessage1() will run because it is independent.
5. The return of getMessage1() "1" will be in the container.
6. Method MainController() will run because Qualifier("1") exists in the container.

hey from message1

hey from Main controller

hey from message3

hey from message2

1. Method getMessage1() will run because it is independent.
2. The return of getMessage1() "1" will be in the container.
3. Method MainController() will run because Qualifier("1") exists in the container.
4. Method getMessage3() will run because it is independent.
5. The return of getMessage3() "3" will be in the container.
6. Method getMessage2() will run because Qualifier("3") exists in the container.

Output(5):

hey from message1

hey from message3

hey from Main controller

hey from message2

Explanation:

1. Method getMessage1() will run because it is independent.
2. The return of getMessage1() "1" will be in the container.
3. Method getMessage3() will run because it is independent.
4. The return of getMessage3() "3" will be in the container.
5. Method MainController() will run because Qualifier("1") exists in the container.
6. Method getMessage2() will run because Qualifier("3") exists in the container.

Q5 :

Output(1):

hey from message3

hey from message2

hey from Main controller

hey from message1

Explanation:

1. Method getMessage3() will run because it is independent.

2. The return of getMessage3() "3" will be in the container.
3. Method getMessage2() will run because Qualifier("3") exists in the container.
4. The return of getMessage2() "2" will be in the container.
5. Method MainController() will run because Qualifier("2") exists in the container.
6. Method getMessage1() will run because maincontroller exists in the container.
7. The return of getMessage1() "1" will be in the container.

Output(2):
hey from message3
hey from message2
hey from message1
hey from Main controller

Explanation:
1. Method getMessage3() will run because it is independent.
2. The return of getMessage3() "3" will be in the container.
3. Method getMessage2() will run because Qualifier("3") exists in the container.
4. The return of getMessage2() "2" will be in the container.
5. Main controller initialized before getMessage1() run
6. Method getMessage1() will run because the Main controller is available to pass into the parameter (MainController is initialized when we call getMessage1, but it executes before printing "hey from message1").