Exercise Spring Container

Question1:

hey from message1

Question2:

hey from message1

hey from message2

Application will first print getMessage1 then print the method depending on it (getMessage2)

Question3:

hey from message3

hey from message1

hey from message2

getMessage3 and getMessage1 don't depend on any qualifier so either of them can be printed first, getMessage2 will be printed last because it depends on Qualifier3 to be called first

Question4:

hey from message3

hey from message1

hey from message2

hey from Main controller

Again, either getMessage1 or getMessage3 will be printed first and getMessage2 will be printed after them. MainController constructor takes parameter from getMessage1(). Finally, MainController will be initialized and prints statements.

Question5:

Infinite loop: hey from message3

getMessage3 will be printed first because it doesn't have any dependencies. getMessage1 takes a parameter of type MainController. In order to run MainController it calls for String with Qualifier2. The only String is in getMessage2 that calls for Qualifier3 which calls getMessage3 (*hey from message3*) and this will continue infinitely. The application will keep printing getMessage3 to fulfill getMessage2 and so on.