## McKesson Assignment 08 Deep Azure

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### Handed out: 11/29/2017 Due by 11:59 PM, midnight (CST) on Tuesday, 12/05/2017

You can do this assignment in Java, C# or Python. You do not have to do both problems in the same language. Code samples were collected from various Microsoft repositories.

**Problem 01.** Start with Java class file QueueBasics.java, or with C# file GettingStarted.cs or with Python program Queues.py. Those files are contained in provided archives storage-queue-java-getting-started.zip, storage-queue-cshrap-getting-started.zip and storage-queue-python-getting-started.zip, respectfully. Make any one of those programs work and perform the following operations: create a storage queue; publish a series of 5 short messages to that queue; dequeue two of those messages and print their content; peak into the content of one of remaining messages in the queue, update the content of that messages, and make that updated message invisible for 5 seconds. Try to dequeuer that message right away. Report error or system message received. Then, wait 6 seconds, dequeue the message and print its content. Leave one message in the queue and do nto delete the queue right away. Convince yourself that the queue and your stored message can be seen in Azure Portal.

(100$)

**Problem 02 Optional**. In this second problem write/modify code so that it performs al of operations you performed in Problem 01. If you are a Java developer, start withclass file ServiceBusQueueBasic.java which you could find in the attached archive: service-bus-java-manage-queue-with-basic-features-master.zip. This archive was downloaded from <https://azure.microsoft.com/en-us/resources/samples/service-bus-java-manage-queue-with-basic-features/>.

If you find it easier to work with C#, please examine C Sharp class file Program.cs which you could find in the attached archive: service-bus-dotnet-manage-queue-with-basic-features-master.zip. This archive was downloaded from

<https://azure.microsoft.com/en-us/resources/samples/service-bus-dotnet-manage-queue-with-basic-features/>

Both referenced sites have very useful practical information.

If you want to do this problem in Python, please visit: <https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-python-how-to-use-queues>

(100%)

SUBMISSION INSTRUCTIONS:

Your main submission should be a MS Word or PDF document containing descriptions of your action while configuring Azure services. If your MS Word document is larger than 1 MB, save it as a MINIMIZED PDF. Please be merciful and capture small JPGs. Describe the purpose of every action and the significance of the results. Start with the text of this homework assignment as the template. Please add the entire text of your JAVA, C# or Python programs to the end of your MS Word/PDF document. Please write your solution as if you are writing a tutorial for your colleagues. Please make your text readable. Make sure that your fonts, especially in captured images are not unreadable. Please do not provide ZIP or RAR or any other archives. Canvas cannot open those archives and they turn into a nuisance for us.