**BAIT3273 Tutorial 3**

**Cloud Concepts**

• Azure

• IoT, Big Data, AI

• Cloud Shell

**Instructions**

• Please use this document to answer all the questions in this tutorial.

• Rename the file with your student code and tutorial group number. For example, 1909846-BAIT3273-S1-2020-Tut1-RDSG01 with RDSG01 as your respective programme and group number. Besides, replace *XXXXXXXX* at the header with your student code.

• Every student must submit this doc individually at the end of the tutorial to google classroom.

**Task 1: Azure**

Azure is Microsoft's cloud computing platform. Azure is a continually expanding set of cloud services that help your organization meet your current and future business challenges. Azure gives you the freedom to build, manage, and deploy applications on a massive global network using your favorite tools and frameworks.

1.a

• Why should I move to the cloud?

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| Answer:  Cloud Computing is flexible  Disaster recovery keeps data safe  Never miss an update  Cloud services minimise capital expenditure  Clout promotes collaboration  Workstation in the cloud  Streamlined content  Cloud computing offers security  Competitive edge through SaaS  Cloud services save time |

• What is Internet of Things (IoT)?

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| Answer:  The Internet of things describes the network of physical objects—a.k.a. "things"—that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the Internet. |

• What is Big Data?

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| Answer:  Big data is a field that treats ways to analyze, systematically extract information from, or otherwise deal with data sets that are too large or complex to be dealt with by traditional data-processing application software. |

1.b

• What is Artificial Intelligence?

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| Answer:  Artificial intelligence is intelligence demonstrated by machines, as opposed to the natural intelligence displayed by humans or animals. |

**Task 2: Azure Cloud Shell**

2.

• What is Azure Cloud Shell?

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| Answer:  **Azure Cloud Shell** is a browser-based **shell** experience to manage and develop Azure resources. **Cloud Shell** offers a browser-accessible, pre-configured shell experience for managing **Azure** resources without the overhead of installing, versioning, and maintaining a machine yourself. |

• Give the Azure Cloud Shell command to list all the resource groups in a subscription.

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| Answer: |