1. Registering resource provider "Microsoft.HDInsight"

Register the resource provider Microsoft.HDInsight in your subscription. To do this you may use the following tutorial:

https://docs.microsoft.com/en-us/learn/modules/creating-and-configuring-hdinsight-cluster/

Reflect your progress in the report.

2. Create the Microsoft.HDInsight cluster

Setup and create the cluster. Learn to use Jupyter Notebook in the created cluster. For doing this you may use the following tutorial:

https://docs.microsoft.com/en-us/learn/modules/creating-and-configuring-hdinsight-cluster/

Reflect your progress in the report.

Attention!

When you create the cluster, try to choose the least price of cluster cores', but capable of launching properly. In the student/trial account you have a certain amount of free funds, but we advise you to minimize prices anyway.

3. Study the use of Apache Spark in Azure cloud

- Open the Jupyter Notebook in your newly created cluster.
- Study and launch example notebooks included with the new cluster. At minimum, study and launch files 1-3, study the rest if you want to.

4. Practice

Copy one of your previous lab works into the Azure cluster and adjust it to work properly. The number of the lab work depends on your number in class journal. If your journal number ends with:

- 1, 4, 7 or 0 – copy and adjust lab work №1 into the cluster.
- 2, 5 or 8 – copy and adjust lab work №2 into the cluster.
- 3, 6 or 9 – copy and adjust lab work №3 into the cluster.

Attention!

When you are done with every lab work report, please delete the created website, delete every used service and resource group to prevent unnecessary spending.