**Week 4**

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DSC 650 Big Data

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A black screen with white text

Description automatically generated**SparkPi Output**

**A black background with white numbers

Description automatically generatedA screenshot of a computer

Description automatically generatedFirst 100 Numbers Generated**

**Transformation – substring()**

**A screenshot of a computer program

Description automatically generated**

The transformation chosen is the substring function. This transformation allows to select a set number of characters specified in the function. Since this is set to 0,4, the first four characters of the sentence are selected. The first part of the screen shot contains the command followed by the original output. The last line is the transformed data. As you can see, the data is now limited to the first four positions.