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This is to certify that

**Muhammad Usama Abid**

successfully completed and received a passing grade in

**Python 101 for Data Science**

(PY0101EN, provided by Cognitiveclass)

an online course on **Cognitive Class**.

**September 25, 2019**

Authenticity of this certificate can be validated by going to:

<https://courses.cognitiveclass.ai/certificates/e594a4a345714895bd2b2f41748dbb25>