



This is to certify that

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successfully completed and received a passing grade in

Python 101 for Data Science

(PY0101EN, provided by Cognitiveclass)

an online course on Cognitive Class.

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Authenticity of this certificate can be validated by going to: https://courses.cognitiveclass.ai/certificates/191e6c0e3aae49d8b2225d028796f9ba