



This is to certify that

Juan Pablo Carrillo Acero

successfully completed and received a passing grade in

Python 101 for Data Science (PYO101EN, provided by IBM)

A course on cognitiveclass.ai Powered by IBM Developer Skills Network.

Issued by Cognitive Class

Cognitive Class

septiembre 5, 2022

Authenticity of this certificate can be validated by going to:

https://courses.cognitiveclass.ai/certificates/c853b1a82bbd4e8295879d2f88d7b1f9