



This is to certify that

Muhammad Nadeem

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

November 2, 2022

Authenticity of this certificate can be validated by going to:

https://courses.cognitiveclass.ai/certificates/dc5b02ba7d904058a0658de289ca7860

November 2, 2022

Certificate ID Number: