



This is to certify that

Mariam Iftikhar

successfully completed and received a passing grade in

Data Analysis with Python (DA0101EN, provided by Cognitive Class)

A course on **cognitive class.ai**Powered by **IBM Developer Skills Network.**

Issued by Cognitive Class

September 11, 2019

Authenticity of this certificate can be validated by going to: https://courses.cognitiveclass.ai/certificates/1da38fd3628447ac8852e1526ae976df

Certificate ID Number: 1da38fd3628447ac8852e1526ae976df

September 11, 2019