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SOFIANE HAMLAOUI

has successfully completed

Introduction to Cybersecurity Tools & Cyber Attacks

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink that reads "Coreen Ryskamp".

Coreen Ryskamp
Program Manager
IBM Security Learning Services

**COURSE
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Coursera has confirmed the identity of this individual and their participation in the course.