



CERTIFICATE
Issued June 10th, 2013

This is to certify that

sally abd el-ghangy abd el-tawab

successfully completed

6.00x: Introduction to Computer Science and Programming

a course of study offered by **MITx**, an online learning
initiative of **The Massachusetts Institute of Technology** through **edX**.

A handwritten signature in black ink, appearing to read "Eric Grimson".

Eric Grimson
Professor,
Dept of Electrical Engineering and Computer Science
Massachusetts Institute of Technology

A handwritten signature in black ink, appearing to read "John V. Guttag".

John Guttag
Professor,
Dept of Electrical Engineering and Computer Science
Massachusetts Institute of Technology

HONOR CODE CERTIFICATE

*Authenticity of this certificate can be verified at <https://verify.edx.org/cert/6f9819a155e94a1daa0282784609c50c>