var crypto = require("crypto")

var ed25519 = require("ed25519")

var keyPair = ed25519.MakeKeypair(new Buffer("af9881fe34edfd3463cf3e14e22ad95a0608967e084d3ca1fc57be023040de59","hex"))

var hash = crypto.createHash('sha256').update("Hello").digest('hex')

console.log(hash)

var tpubkey = "C01382EE2C4522B0857B4B4E2F2935A558238AEC9ACD7BE449BF253D3202AE88"

var tprivkey = "5E6E3BFD47EC6385B8EE8546C2B76F7B0A75F82F4483128ACF0DC2639FB24D6CC01382EE2C4522B0857B4B4E2F2935A558238AEC9ACD7BE449BF253D3202AE88"

keyPair = {"publicKey": new Buffer(tpubkey, "hex"), "privateKey": new Buffer(tprivkey, "hex")}

console.log(keyPair)

var signature = ed25519.Sign(new Buffer(hash), keyPair)

console.log(signature)

console.log(ed25519.Verify(new Buffer(hash), signature, keyPair.publicKey))