

# Homework 7

## Noir

1. Follow the [instructions](#) to install Rust and Noir  
( the nargo directory is in crates/nargo)
2. Create an [example project](#)
  1. Create a new project  

```
nargo new hello_world
```
  2. Build the project  

```
cd hello_world  
nargo check
```
  3. Edit the inputs in the Prover.toml file  

```
x = "1" y = "2"
```
  4. Edit the Verifier.toml as follows  

```
y = "2" setpub = []
```
  5. Generate the proof  

```
nargo prove my_proof
```
  6. Verify the proof  

```
nargo verify my_proof
```