Web Technologies

Webserver 101

- Check open ports:
  nmap localhost
- Webserver on the VM is apache (very common)
- Database server on the VM is mysql (very common)

Webserver 101

- Standard files in /var/www/html
  cd /var/www/html
  ls -la
- Have small demo website (not on VM; code is on canvas)
  View in webbrower at (in my setup)
  http://vm-ics:demo/index.html

PhP 101

- A web form is in `page.html`
- Will submit data to `add.php`
- `add.php` is a PhP script:
    - Mixed with html
    - Code between `<?php ?>`
    - C/Java-like syntax
    - `$_GET[]` to access GET variables
    - Similar for `$_POST[]`

Javascript 101

- Page using Javascript to check some form fields:
  http://vm-ics:dome/pageJavascript.html
- Checks fields client-side
  (not a good idea $\cdots$)

Databases 101

- pageJavascript.html POSTs to resultsPass.php
- Let's look into the DB:
  ```
  sudo mysql
  show databases;
  show tables;
  use webdemo;
  select * from users;
  ```