









```
sub read_passwd {
my %users;
my @fields = qw/name pword uid gid fullname
  home shell/;
while(<STDIN>) {
  chomp;
  my %rec;
  @rec ={@fields} = split(/:/);
  $users{$rec{name}} = \%rec;
  return \%users;
}
                                                 6
```

```
my $users = read_passwd();
my @names;
foreach (keys %{$users}) {
  next unless $users->{$_}{fullname};
  my ($fname, $lname) = split (/\s+/,
  $users->{$_}{fullname},2);
  push @names, "$fname $lname";
  }
print map { "$_\n" } sort @names;
```



MD5 Sum

- MD5 uses a 128 bit hash value
- Designed in 1991
- Known problems with collision attacks
- http://www.ietf.org/rfc/rfc1321.txt
- http://en.wikipedia.org/wiki/MD5



Md5 of a file

- Can execute md5sum within perl
- Can use perl defined methods
 - Write yourself
 - Find someone else's \odot



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Javascript::MD5	
Calculate the MD5 digest of a CGI form field	
Javascript-MD5-1.04 - 28 Jul 2004 - Ron Savage	
MD5	
Perl interface to the MD5 Message-Digest Algorithm	
<u>MD5-2.03</u> - 27 Nov 2003 - <u>Gisle Aas</u>	
Digest::Perl::MD5	
Perl implementation of Ron Rivests MD5 Algorithm	
Digest-Perl-MD5-1.8 - 27 Aug 2004 - Christian Lackas	
Digest::MD5	
Perl interface to the MD5 Algorithm	
<u>Digest-MD5-2.33</u> - 07 Dec 2003 - <u>Gisle Aas</u>	
AxKit::XSP::MD5	
AxKit XSP taglib for MD5 digests	
AxKit-XSP-MD5-0.01 - 26 Jun 2001 - Robin Berjon	
Digest::MD5::File	
Perl extension for getting MD5 sums for files and urls.	
Digest-MD5-File-0.01 - 06 Apr 2005 - Daniel Muey	
Catalyst::Plugin::Upload::MD5	
Compute MD5 message digest of uploads	
Catalyst-Plugin-Upload-MD5-0.01 - 24 May 2005 - Marcus Ramberg	
PerIIO::via::MD5	
PerIIO layer for creating an MD5 digest of a file	
PerllO-via-MD5-0.06 - 28 Dec 2003 - Elizabeth Mattijsen	
Digest::MD5::M4p	
Perl interface to a variant of the MD5 algorithm	









File::Find

```
use File::Find;
$dir = "c:/example";
find(\&exam1,$dir);
sub exam1{
    print "File: $_ and path is
    $File::Find::name\n";
}
```













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Example		
#!/usr/local/bin/perl		
use strict;		
my \$vars print "Content-type: text/html\n\n";		
foreach \$vars (sort keys %ENV){ print " <p>\$vars "; print \$ENV{\$vars};</p>		
}	38	

































Wednesday is LAB!

- See you in the lab
- Need to show up in person to get lab, can stay or work offline
- Will be running lab during class session