





































































































































































































































































```

#!/usr/bin/perl
#
# CountMiRNA.pl
# use hash tables and specific hash of hash. Python has an equivalent
#
# @ARGV is the reserved namespace in PERL for all arguments on the commandline.
#
# Usage: CountMiRNA.pl [count_file1] [count_file2] .....etc.
#
# Does not matter what order the files are specified because I hard coded the output.
# And I track the stages by the filename that was submitted.
#

my ($stage, %All);

foreach my $arg(@ARGV) {
    if ($arg =~ /^(S+)\.csv/) {
        $stage = $1;
    } else {
        die "cannot recognise $arg\n";
    }
    open(F, $arg);
    while (<F>) {
        chomp;
        my ($cnt, $id) = split(/,/);
        #print ".$cnt. .$id. .$stage.\n";
        $hash{$id}{$stage} = $cnt;
    }
    close(F);
    if ($stage =~ /^S/) {
        die "missing\n";
    }
}

my @stages = qw(1E 2E 3E 1L 2L 3L 1P 2P 3P 1F 2F 3F 1M 2M 3M);
print "1E\t2E\t3E\t1L\t2L\t3L\t1P\t2P\t3P\t1F\t2F\t3F\t1M\t2M\t3M\n";
foreach my $miR (keys %hash) {
    print "$miR\t";
    foreach my $stages(@stages) {
        if (defined $hash{$miR}{$stages}) {
            print "\t".$hash{$miR}{$stages};
        } else {
            print "\t0";
        }
    }
    print "\n";
}

```