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Perl
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1.vol of cone
use strict;
use warnings;
# Prompt user for input
print "Enter the radius of the cone: ";
my $radius = <STDIN>;
chomp($radius);
print "Enter the height of the cone: ";
my $height = <STDIN>;
chomp($height);
# Calculate volume of the cone
my $volume = 3.14159 * $radius**2 * $height / 3;
# Print the result
print "The volume of the cone is: $volume\n";
2.take x as input and solv for some mathematical eqn
#!/usr/bin/perl
use strict;
use warnings;
# Prompt user for input
print "Enter the value of x: ";
my x = \text{STDIN};
chomp($x);
# Calculate the result of the equation
my result = x^*2 + x + 1;
# Print the result
print "The result of x^2 + x + 1 for x = x is: result n;
```

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3. Number divisible by 3 in 1 to 100
#!/usr/bin/perl
use strict;
use warnings;
# Find numbers divisible by 3 in the range from 1 to 100
for my $num (1..100) {
  if (\text{$num \% 3 == 0}) {
     print "$num is divisible by 3\n";
  }
}
4. TSA of a cone
use strict;
use warnings;
# Function to calculate slant height
sub slant_height {
  my ($radius, $height) = @_;
  return sqrt($radius**2 + $height**2);
}
# Prompt user for input
print "Enter the radius of the cone: ";
my $radius = <STDIN>;
chomp($radius);
print "Enter the height of the cone: ";
my $height = <STDIN>;
chomp($height);
# Calculate slant height
my $slant_height = slant_height($radius, $height);
# Calculate lateral surface area
my $lateral_surface_area = 3.14159 * $radius * $slant_height;
# Calculate base area
my $base_area = 3.14159 * $radius**2;
# Calculate total surface area
my $total_surface_area = $lateral_surface_area + $base_area;
# Print the result
print "The total surface area of the cone is: $total_surface_area\n";
```