Experiment 4:

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Write a Perl program that computes the circumference of a circle with a radius of 12.5 units.

Code:

```
#!/usr/bin/perl

$radius = 12.5;
print "The radius value for the circle is :$radius \n ";
$circumference = (2 * 3.14 * $radius);
print "The circumference of the circle is : $circumference \n";
```

Output:

```
┌─[aadhithan@fedora]─[~/nand/cad/perl]
└──╼ $./radius.pl
The radius value for the circle is :12.5
 The circumference of the circle is : 78.5
```

Write a Perl program to take in two numbers and prints out the result of the two numbers multiplied.

Code:

```
#!/usr/bin/perl

print "enter number 1 \n";
$n1 = <STDIN>;
print "enter number 2 \n";
$n2 = <STDIN>;

$s = $n1*$n2;

print "answer is $s \n";
```

Output:

```
┌─[aadhithan@fedora]─[~/nand/cad/perl]
└──╼ $./multiply.pl
enter number 1
23
enter number 2
4
answer is 92
```

Write a Perl program that reads in a string and a number, and then prints out the string the number of times requested.

Code:

```
#!/usr/bin/perl

print "enter number \t";
$n = <STDIN>;

$s = $n**3;
print "cube is  $s \n";
```

Output:

```
┌─[aadhithan@fedora]─[~/nand/cad/perl]
└──╼ $./mulstring.pl
enter string
aadhi
enter number of times to be concatinated
7
aadhi
aadhi
aadhi
aadhi
aadhi
aadhi
aadhi
```

Write a Perl program that prints the cube of a number.

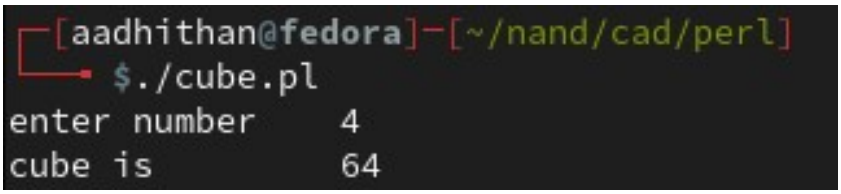
Code:

```
#!/usr/bin/perl

print "enter number \t";
$n = <STDIN>;

$s = $n**3;
print "cube is  $s \n";
```

Output:



Write a code to explore String operators.

Code:

```
!/usr/bin/perl

@s = ('this', 'is', 'the', 'string');
print "original syntax: \n \t";
print "@s \n";

push(@s,'after edit 1');
print "push operation: \n \t";
print "@s \n";

pop(@s);
print "pop operation: \n \t";
print "@s \n";

shift(@s);
print "shift operation: \n \t";
print "@s \n";

unshift(@s, 'this');
print "unshift operation: \n \t";
print "@s \n";
```

Output:

```
┌─[aadhithan@fedora]─[~/nand/cad/perl]
└─► $./pushpop.pl
original syntax:
        this is the string
push operation:
        this is the string after edit 1
pop operation:
        this is the string
shift operation:
        is the string
unshift operation:
        this is the string
```