

UNIX LAB ASSG NO. 10A AND 10B

AIM: Advanced Perl Programming

Theory: Perl programming in Unix involves writing scripts or programs using the Perl programming language to perform various tasks, ranging from text processing and system administration to web development and network programming. Perl, known for its strong text-processing capabilities and flexibility, is widely used in Unix environments due to its compatibility and powerful features. Perl scripts can automate tasks, manipulate files and directories, interact with system resources, and execute commands. With its extensive library of modules, Perl enables developers to build complex applications efficiently. Perl's versatility and portability make it a popular choice for Unix system administrators, developers, and users seeking to automate tasks and develop robust solutions in Unix environments.

10A: Table of your roll number.

CODE:

```
#!/bin/perl

$num = 127;
for($i=1;$i<11;$i++)
{
    $res = $num * $i;
    print "$num * $i = $res \n";
}
```

OUTPUT:

```
127 x 1 = 127
127 x 2 = 254
127 x 3 = 381
127 x 4 = 508
127 x 5 = 635
127 x 6 = 762
127 x 7 = 889
127 x 8 = 1016
127 x 9 = 1143
127 x 10 = 1270
```

10B: To create a data dict of months of year assigned with a key value.

CODE:

```
#!/bin/perl

%data = (1 => "January", 2 => "February", 3 => "March", 4 => "April", 5 => "May", 6 => "June", 7 => "July", 8 => "August", 9 => "September", 10 => "October", 11 => "Nov", 12 => "Dec");

print "Enter roll no:";
$c = <>;

# handle new line
chomp($c);

# string + num concat
print "\$data{$c} = ".$data{$c};
```

OUTPUT:

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop/s23_127$ perl KeyValueMonths.pl
Enter key value:6
$data{6} = Junelab1003@lab1003-HP-280-G2-MT:~/Desktop/s23_127$ perl KeyValueMonths.pl
Enter key value:12
$data{12} = Declab1003@lab1003-HP-280-G2-MT:~/Desktop/s23_127$
```

