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ROLL NO : 127

BATCH : S23

UNIX LAB ASSG NO. 9A AND 9B

AIM: Basic 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.

9A: Given cost-price and selling-price calculate and display the profit and loss.

CODE:

```perl
print "Enter cost price: ";
my $cost_price = <>;
chomp($cost_price);


print "Enter selling price: ";
my $selling_price = <>;
chomp($selling_price);


my $profit_or_loss = $selling_price - $cost_price;


if ($profit_or_loss > 0) {
    print "Profit: $profit_or_loss\n";
} elsif ($profit_or_loss < 0) {
    print "Loss: ".abs($profit_or_loss)."\n";
} else {
    print "No profit, no loss\n";
}
```

OUTPUT:

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop/s23_127$ perl ProfitLoss.pl
Enter cost price: 100
Enter selling price: 85
Loss: 15
lab1003@lab1003-HP-280-G2-MT:~/Desktop/s23_127$ perl ProfitLoss.pl
Enter cost price: 100
Enter selling price: 125
Profit: 25
lab1003@lab1003-HP-280-G2-MT:~/Desktop/s23_127$ perl ProfitLoss.pl
Enter cost price: 100
Enter selling price: 100
No profit, no loss
```

9.B: Create an array containing the months of the year and display the name of the number corresponding to the given array index.

CODE:

```perl
@weekdays = ( "January",  "February",  "March", "April",  "May", "June", "July", "August",
"September","October","Nov", "Dec");

print "Enter a number from 1 to 12: ";
$number = <>;

if ($number >= 1 && $number <= 12) {
    print "$weekdays[$number - 1]\n";
}
else {
    print "Invalid number\n";
}
```

OUTPUT:

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop/s23_127$ perl MonthsArray.pl
Enter a number from 1 to 12: 5
May
lab1003@lab1003-HP-280-G2-MT:~/Desktop/s23_127$ perl MonthsArray.pl
Enter a number from 1 to 12: 11
Nov
```