PERL

1. Array operations

2. Perl script to reverse a number.

#!/usr/bin/perl

# your code here

$a=987;

$rev=0;

while($a > 0)

{

$n=$a%10;

$rev=($rev\*10)+$n;

$a=$a/10;

}

print "$rev";

3 To perform mathematical operations using menu. (+\_\*/ \*\*)

$a=2;  
$a=3;  
print "$a+$b";  
print $a+$b;  
print "$a.$b";   
print "$a\*$b";   
print "$a x $b";

4 Find smallest of three numbers that are read from keyboard

#!/usr/bin/perl  
print "Enter a number\n";  
chomp($a=<stdin>);  
print "Enter second number\n";  
chomp($b=<stdin>);  
print "Enter third number\n";  
chomp($c=<stdin>);  
$big=0;  
$equal=0;  
if($a eq $b){  
$big = $a;  
$equal = $a;  
}  
elsif($a > $b){  
$big=$a;  
}  
else{  
$big = $b;  
}  
if($equal eq $c){  
print "All numbers are same";  
}  
elsif($big < $c){  
$big = $c;  
}  
else{  
print "The biggest number is $big \n";  
}

5 Write a shell script to check the entered no is palindrome or not

print"Enter a number: ";

$n=<STDIN>;

$t=$n;

$s=0;

while($n>0)

{

$r=$n%10;

$s=($s\*10)+$r;

$n=int($n/10);

}

if($t==$s)

{

print"Number is palindrome\n";

}

else

{

print"Number is not palindrome\n";

}

6. Linear Search

7. Bubble Sort

my @array = ( 5, 6, 3, 1, 7, 3, 2, 9, 10, 4 );

for my $i ( 1 .. $#array )

{ for my $k ( 0 .. $i - 1 )

{

@array[ $k, $k + 1 ] = @array[ $k + 1, $k ]

if $array[$k] > $array[ $k + 1 ];

}

}

print "@array\n";

8. Arithmetic operations using functions

$a = 21;  
$b = 10;  
  
print "Value of \$a = $a and value of \$b = $b\n";  
  
$c = $a + $b;  
print 'Value of $a + $b = ' . $c . "\n";  
  
$c = $a - $b;  
print 'Value of $a - $b = ' . $c . "\n";  
  
$c = $a \* $b;  
print 'Value of $a \* $b = ' . $c . "\n";  
  
$c = $a / $b;  
print 'Value of $a / $b = ' . $c . "\n";  
  
$c = $a % $b;  
print 'Value of $a % $b = ' . $c. "\n";  
  
$a = 2;  
$b = 4;  
$c = $a \*\* $b;  
print 'Value of $a \*\* $b = ' . $c . "\n";

9. Write a shell script to give the result of student. Take marks of the five subjects, studentname, roll

no and percentage and show a message whether a student gets division as per the following

rules:70% &lt;-&gt; distinction60%-&gt;1

10. Write a shell script to find out the gross salary and Net\_salary of an employee .

Grosssal=Basic\_sal+DA+ HRA

Basic\_sal DA% HRA%

&gt;=20000 60 30

&gt;=10000 and &lt;20000 50 25

Else 40 20

11) Menu driven program for following cases

1. To check entered number is Even odd

2. To check entered number is palindrome.

3. To check entered number is Armstrong.

12) Program to display Fibonacci series and n th term of Fibonacci series

using function .

1. #!usr/bin/local/perl
2. $n=<>;
3. $f= 0;
4. $s = 1;
5. for ( $i = 0 ; $i < $n ; $i++ )
6. {
7. if($i<= 1 )
8. {
9. $next=$i;
10. }
11. else
12. {
13. $next = $f + $s;
14. $f = $s;
15. $s = $next;
16. }
17. print(" the fibonacci series:$next");
18. }

13)Program to find factorial of a number using function.

sub factorial {  
 my($num) = @\_;  
 if ($num == 1) {  
return 1;  
 } else {  
return $num\*factorial($num - 1);   
 }  
}  
print "Factorial Program in Perl";  
print "\n";  
print "Enter a Number : ";  
$number = <>;  
chop ($number);   
print "\n";  
print factorial($number);

14) To check whether given number is prime or not using function.

print “Enter a number n”;

$n=<>;

$d=0;

if($n==2)

{

print “Prime number.n”;

}

else

{

for($c=2;$c<=$n-1;$c++)

{

if($n%$c==0)

{

$d=1;

break;

}

}

if($d==1)

{

print “Not prime.n”;

}

else

{

print “Prime number.n”;

}

}

15) Demonstrate use of Report in Perl.

