

**Name:- Manish Shashikant Jadhav**

**Roll no.:- 2201933**

**PRN no.:- 2030408246006**

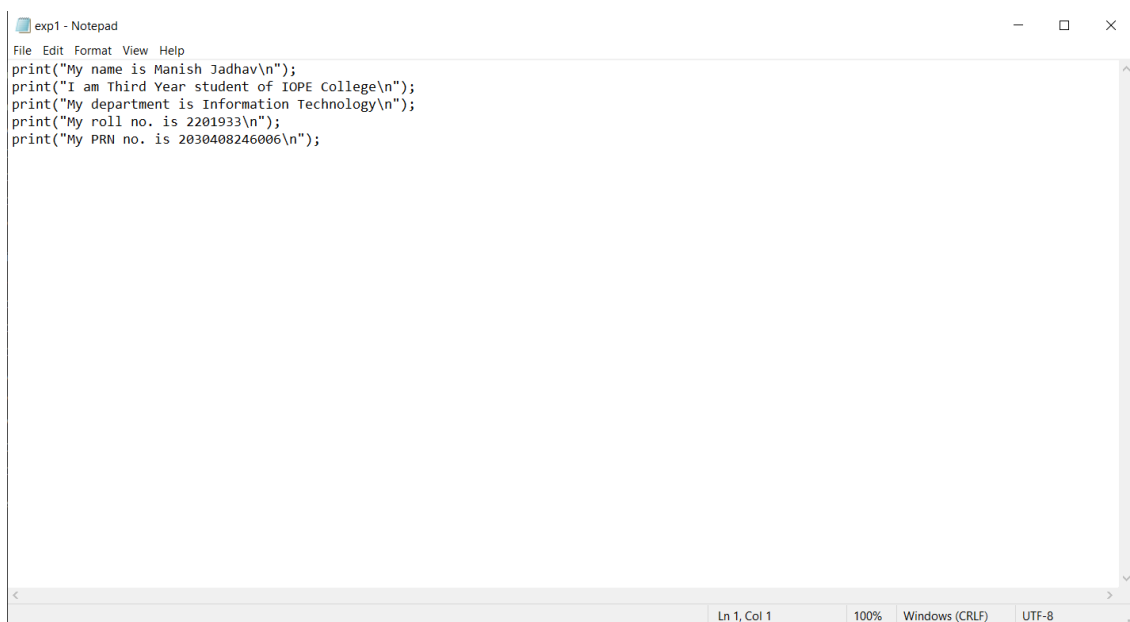
**Subject:- Perl Lab**

## **Experiment no.1**

**Aim:-** Edit, Compile, Execute a program to display some text on the screen.

**Program:-**

**Input:-**



```
exp1 - Notepad
File Edit Format View Help
print("My name is Manish Jadhav\n");
print("I am Third Year student of IOPE College\n");
print("My department is Information Technology\n");
print("My roll no. is 2201933\n");
print("My PRN no. is 2030408246006\n");
Ln 1, Col 1 100% Windows (CRLF) UTF-8
```

**Output:-**

```
Command Prompt
Microsoft Windows [Version 10.0.19042.1348]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manis>cd perl

C:\Users\manis\perl>perl exp1.pl
My name is Manish Jadhav
I am Third Year student of IOPE College
My department is Information Technology
My roll no. is 2201933
My PRN no. is 2030408246006

C:\Users\manis\perl>
```

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)

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**Subject:- Perl Lab**

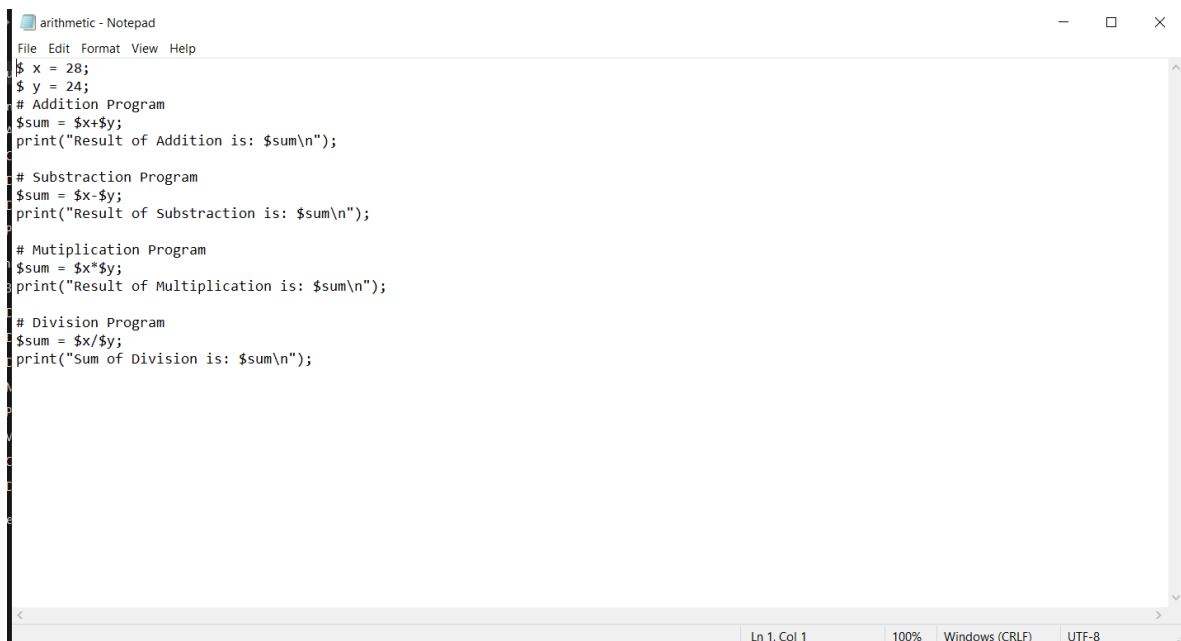
## **Experiment no.2**

**Aim:-** Edit, compile, Execute a program to perform the following:

- a.To perform Arithmetic Operations.
- b. Calculate the average of two numbers and display it on the screen.

### **Program A:-**

#### **Input:-**



```
File Edit Format View Help
$ x = 28;
$ y = 24;
# Addition Program
$sum = $x+$y;
print("Result of Addition is: $sum\n");

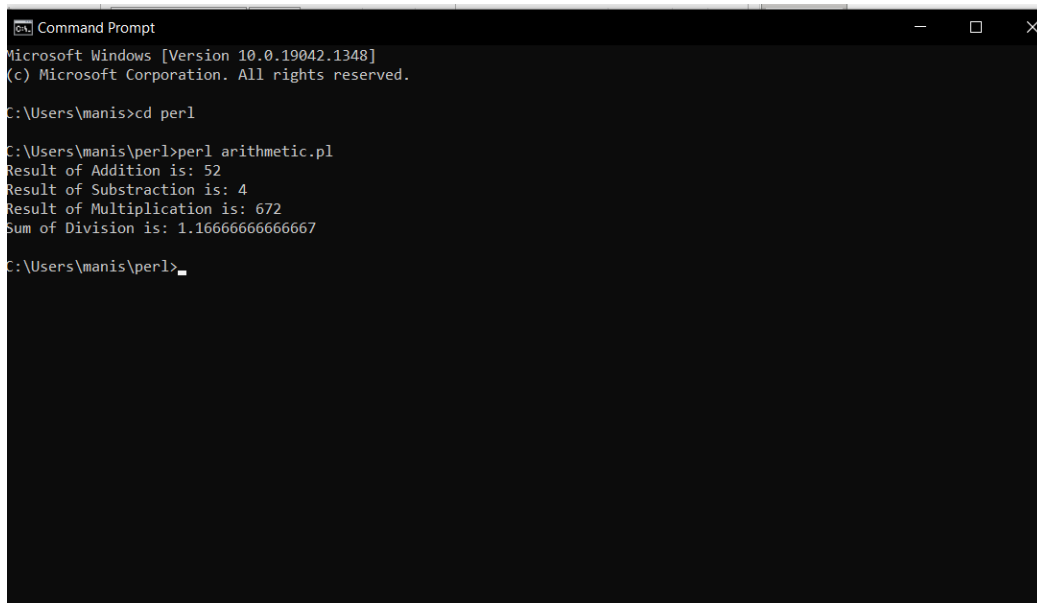
# Substraction Program
$sum = $x-$y;
print("Result of Substraction is: $sum\n");

# Mutiplication Program
$sum = $x*$y;
print("Result of Multiplication is: $sum\n");

# Division Program
$sum = $x/$y;
print("Sum of Division is: $sum\n");
```

Ln 1, Col 1    100%    Windows (CRLF)    UTF-8

#### **Output:-**



```
Command Prompt
Microsoft Windows [Version 10.0.19042.1348]
(c) Microsoft Corporation. All rights reserved.

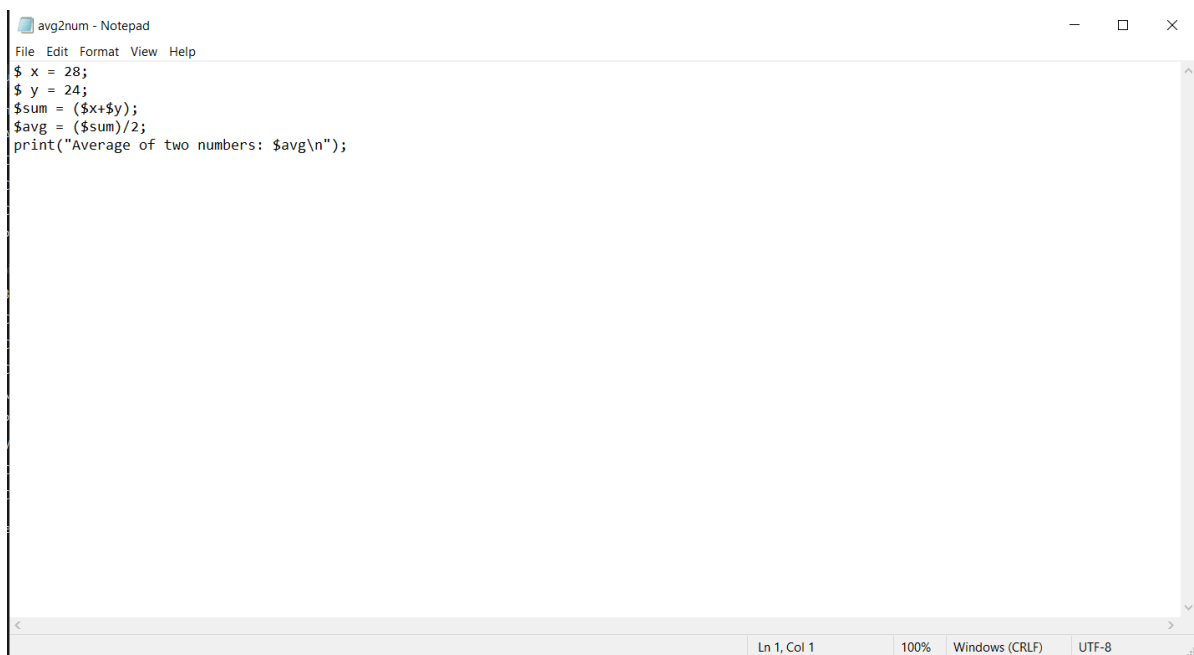
C:\Users\manis>cd perl

C:\Users\manis\perl>perl arithmetic.pl
Result of Addition is: 52
Result of Substraction is: 4
Result of Multiplication is: 672
Sum of Division is: 1.1666666666666667

C:\Users\manis\perl>
```

## Program B:-

### Input:-



```
avg2num - Notepad
File Edit Format View Help
$ x = 28;
$ y = 24;
$sum = ($x+$y);
$avg = ($sum)/2;
print("Average of two numbers: $avg\n");

Ln 1, Col 1 100% Windows (CRLF) UTF-8
```

### Output:-

```
Command Prompt
Microsoft Windows [Version 10.0.19042.1348]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manis>cd perl

C:\Users\manis\perl>perl avg2num.pl
Average of two numbers: 26

C:\Users\manis\perl>_
```

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)

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**Subject:- Perl Lab**

### **Experiment no.3**

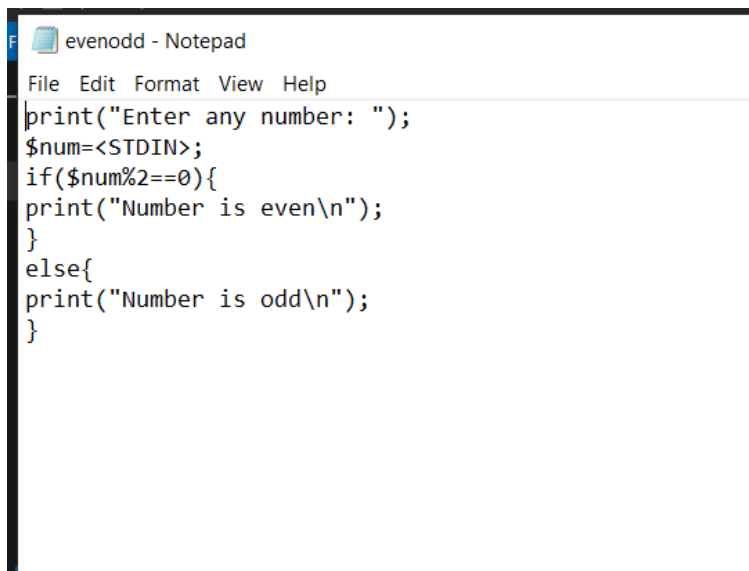
**Aim:-** Edit, Compile , and execute a program to perform if-else statement.

a. Write a program to print Even and Odd Number.

b. Write a program to print Grades on the basis of Marks.

**Program A):-** Write a program to print Even and Odd Number.

**Input:-**



```
File Edit Format View Help
print("Enter any number: ");
$num=<STDIN>;
if($num%2==0){
print("Number is even\n");
}
else{
print("Number is odd\n");
}
```

**Output:-**

```
Command Prompt
Microsoft Windows [Version 10.0.19042.1348]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manis>cd perl

C:\Users\manis\perl>perl evenodd.pl
Enter any number: 28
Number is even

C:\Users\manis\perl>perl evenodd.pl
Enter any number: 9
Number is odd

C:\Users\manis\perl>
```

**Program B):-** Write a program to print Grades on the basis of Marks.

**Input:-**

```
manishmarks - Notepad
File Edit Format View Help
print("Enter your Java marks\n");
$java=<stdin>;
print("Enter your Perl marks\n");
$perl=<stdin>;
print("Enter your OS marks\n");
$os=<stdin>;
$avg=($java+$perl+$os)/3;
if($avg>=90){
print("You have scored A grade");
}
elseif($avg>=80 && $avg<90){
print("You have scored B grade");
}
elseif($avg>=70 && $avg<80){
print("You have scored C grade");
}
elseif($avg>=40 && $avg<70){
print("You have scored D grade");
}
else{
print("You are failed");
}
```

## Output:-

```
Command Prompt
Microsoft Windows [Version 10.0.19042.1348]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manis>cd perl

C:\Users\manis\perl>perl manishmarks.pl
Enter your Java marks
90
Enter your Perl marks
95
Enter your OS marks
80
You have scored B grade
C:\Users\manis\perl>
```

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)



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## **Experiment no.4**

**Aim:-** Edit, Compile , and execute a program to perform Control statement.

- a. Write a program to find greatest number among three numbers.
- b. Write a program to print star pattern.

**Program A):-** Write a program to find greatest number among three numbers.

**Input:-**

 greaternum - Notepad

File Edit Format View Help

```
print("Enter the number1\n");
$number1=<STDIN>;
print("Enter the number2\n");
$number2=<STDIN>;
print("Enter the number3\n");
$number3=<STDIN>;
if($number1>$number2){
print("number1 is largest number\n");
}
elsif($number2>$number3){
print("number2 is largest number\n");
}
elsif($number3>$number1){
print("number3 is largest number\n");
}
else{
print("three are same\n");
}
```

**Output:-**

```
Command Prompt

C:\Users\manis>cd perl

C:\Users\manis\perl>perl greaternum.pl
Enter the number1
28
Enter the number2
9
Enter the number3
4
number1 is largest number


C:\Users\manis\perl>perl greaternum.pl
Enter the number1
8
Enter the number2
24
Enter the number3
4
number2 is largest number

C:\Users\manis\perl>perl greaternum.pl
Enter the number1
1
Enter the number2
4
Enter the number3
25
number3 is largest number

C:\Users\manis\perl>perl greaternum.pl
Enter the number1
28
Enter the number2
28
Enter the number3
28
three are same
```

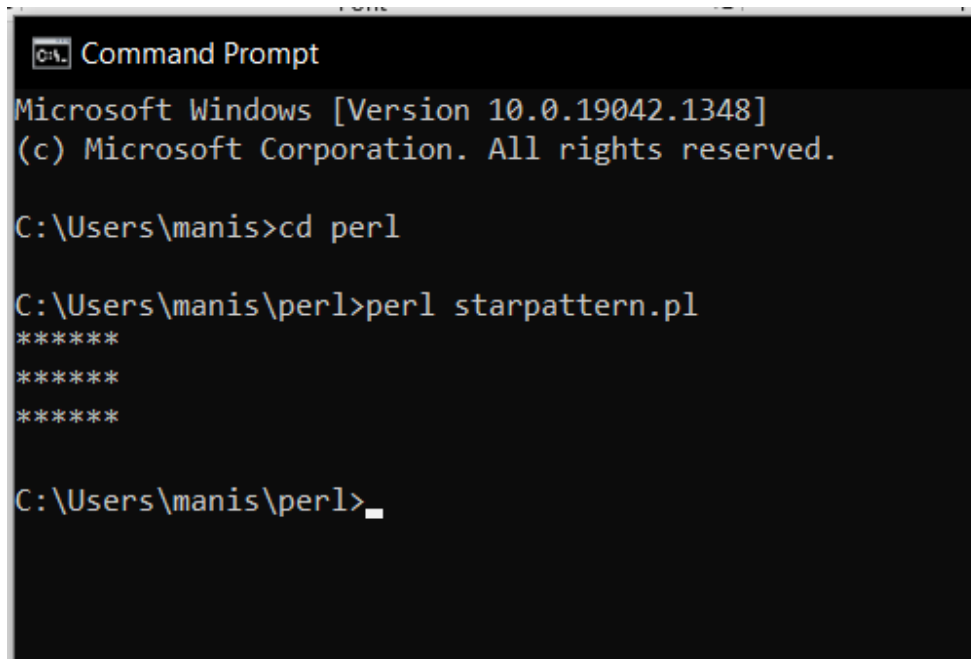
**Program B):-** Write a program to print Grades on the basis of Marks.

**Input:-**

 starpattern - Notepad

```
File Edit Format View Help
|i=3;
|j=6;
|for($i=1;$i<=3;$i=$i+1){
|for($j=1;$j<=6;$j=$j+1){
|print("*");
|}
|print("\n");
|}
```

### Output:-



```
Command Prompt
Microsoft Windows [Version 10.0.19042.1348]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manis>cd perl

C:\Users\manis\perl>perl starpattern.pl
*****
*****
*****

C:\Users\manis\perl>_
```

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)

**Name:- Manish Shashikant Jadhav**

**Roll no.:- 2201933**

**PRN no.:- 2030408246006**

**Subject:- Perl Lab**

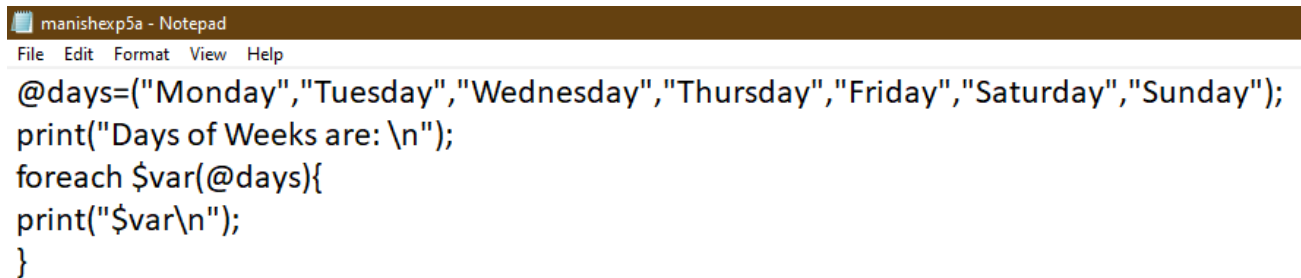
## **Experiment no.5**

**Aim:-** Edit, Compile , and execute a program to perform Control statement.

- a. Write a program to print Days in week.
- b. Write a program to print Colour in Rainbow.

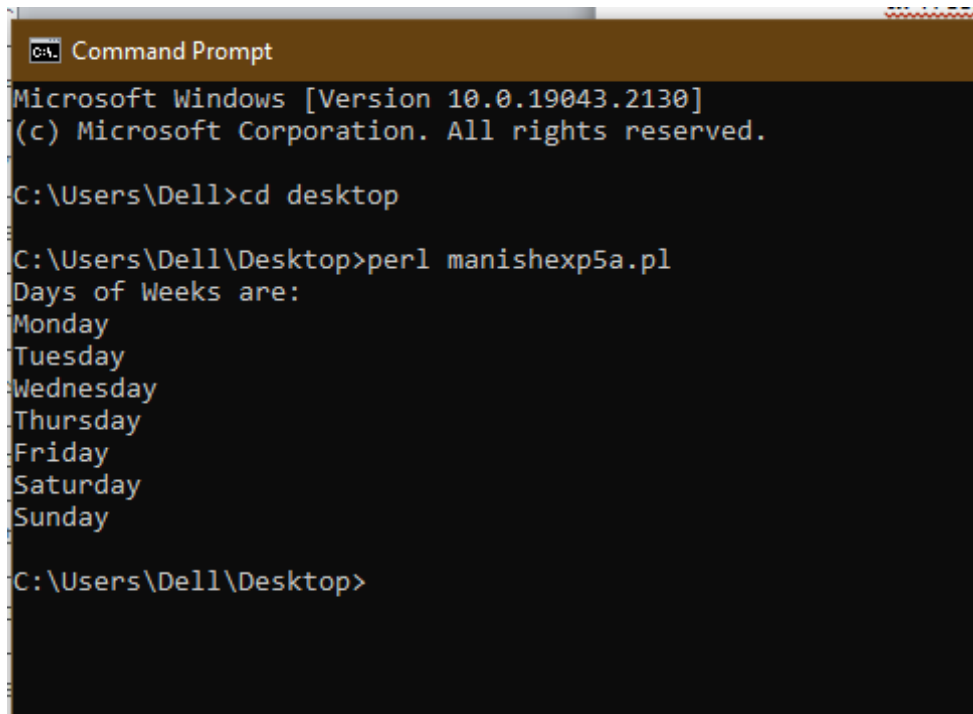
**Program A):-** Write a program to print Days in week.

**Input:-**



```
manishexp5a - Notepad
File Edit Format View Help
@days=("Monday","Tuesday","Wednesday","Thursday","Friday","Saturday","Sunday");
print("Days of Weeks are: \n");
foreach $var(@days){
print("$var\n");
}
```

**Output:-**



```
Command Prompt
Microsoft Windows [Version 10.0.19043.2130]
(c) Microsoft Corporation. All rights reserved.

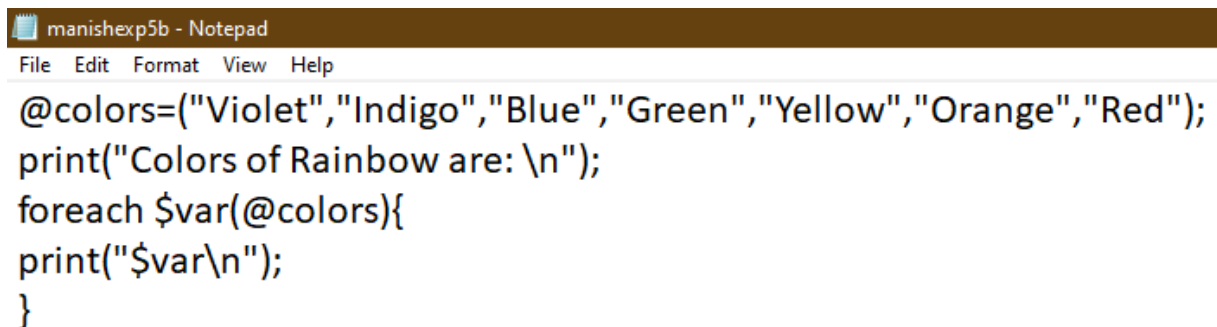
C:\Users\Dell>cd desktop

C:\Users\Dell\Desktop>perl manishexp5a.pl
Days of Weeks are:
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

C:\Users\Dell\Desktop>
```

**Program B):-** Write a program to print Grades on the basis of Marks.

**Input:-**



```
manishexp5b - Notepad
File Edit Format View Help

@colors=("Violet","Indigo","Blue","Green","Yellow","Orange","Red");
print("Colors of Rainbow are: \n");
foreach $var(@colors){
print("$var\n");
}
```

**Output:**

```
Command Prompt
Microsoft Windows [Version 10.0.19043.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Dell>cd desktop

C:\Users\Dell\Desktop>perl manishexp5b.pl
Colors of Rainbow are:
Violet
Indigo
Blue
Green
Yellow
Orange
Red

C:\Users\Dell\Desktop>_
```

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)

**Name:- Manish Shashikant Jadhav**

**Roll no.:- 2201933**

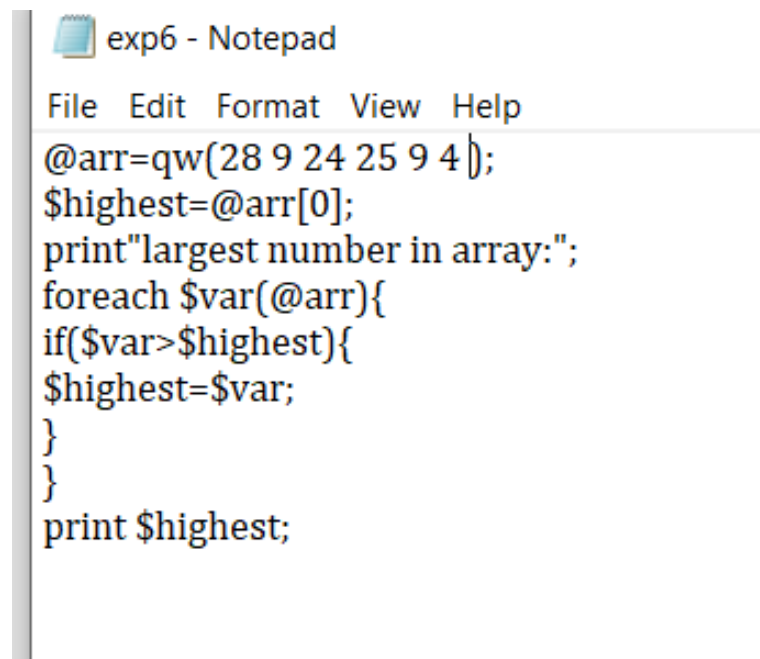
**PRN no.:- 2030408246006**

**Subject:- Perl Lab**

## **Experiment no.6**

**Aim:-** Edit, Compile , and execute a program to create one dimensional array and find the largest number in an array.

**Input:-**



```
exp6 - Notepad
File Edit Format View Help
@arr=qw(28 9 24 25 9 4);
$highest=@arr[0];
print"largest number in array:";
foreach $var(@arr){
if($var>$highest){
$highest=$var;
}
}
print $highest;
```

**Output:-**

```
C:\> Command Prompt
Microsoft Windows [Version 10.0.19045.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manis>cd perl

C:\Users\manis\perl>perl exp6.pl
largest number in array:28
C:\Users\manis\perl>
```

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)



**Name:- Manish Shashikant Jadhav**

**Roll no.:- 2201933**

**PRN no.:- 2030408246006**

**Subject:- Perl Lab**

## **Experiment no.7**

**Aim:-** Edit, Compile , and execute a program to create three dimensional array and perform the following:

a)Insert Array.

b)Delete array element at particular position.

**Input:-**

```
@arr=(["Dasgaon ","Mahad ","Pali "],  
      ["Mumbai ","Pune ","Roha"],  
      ["Raigad","Maharashtra ","India"],  
      [[28 ,9 ,4],  
       [24 ,8 ,4],  
       [4 ,4 ,25]],  
      ["Range Rover Velar ","Fortuner Legender ","Audi A6"],  
      ["BMW X6 ","Lamborghini Urus ","Mustang GT"],  
      ["Mahindra Thar ","Porsche 900GT ","Mercedes Benz"]]);
```

```
print "The current element of array are:\n";  
for($i=0;$i<3;$i++){  
    $l=$i+1;  
    print"Array $l:\n";  
    for($j=0;$j<3;$j++){  
        for($k=0;$k<3;$k++){  
            print"$arr[$i][$j][$k]";  
        }  
        print"\n";  
    }  
    print"\n";  
}
```

```
pop(@{$arr[0][2]});  
pop(@{$arr[1][2]});
```

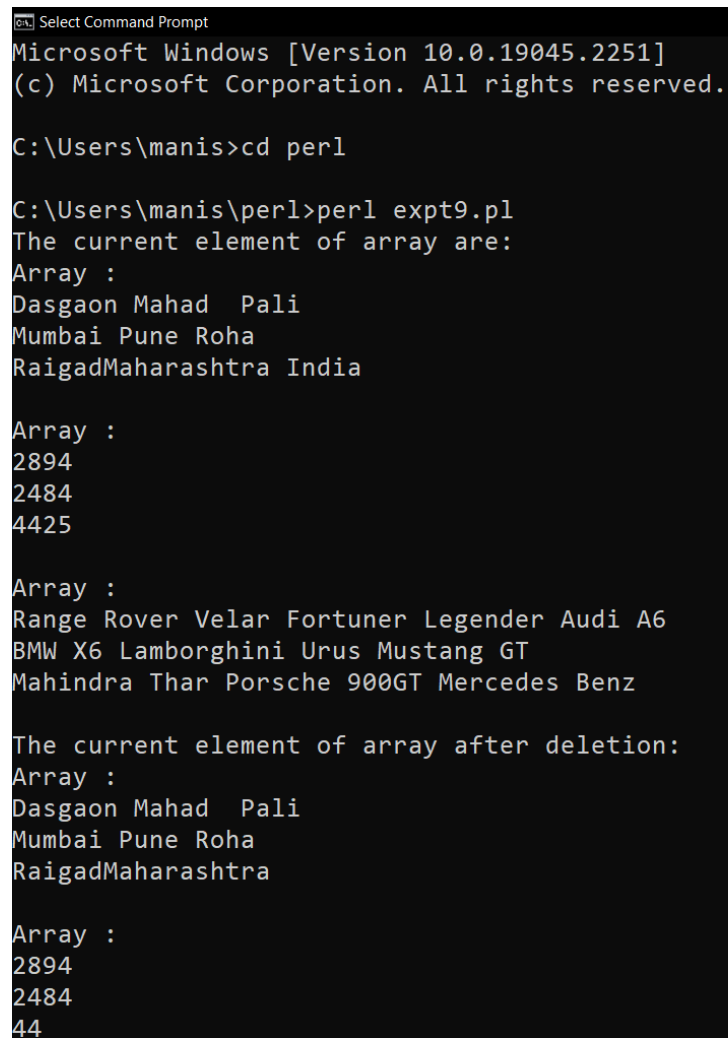
```
pop(@{$arr[2][2]});
print "The current element of array after deletion:\n";
for($i=0;$i<3;$i++){
    $l=$i+1;
    print"Array $1:\n";
    for($j=0;$j<3;$j++){
        for($k=0;$k<3;$k++){
            print"$arr[$i][$j][$k]";
        }
    }
    print"\n";
}
print"\n";
}
```

```
push(@{$arr[0][2]},"Banglore");
push(@{$arr[1][2]},"2824");
push(@{$arr[2][2]},"Mercedes C-220D");
print "The current element of array after insertion:\n";
for($i=0;$i<3;$i++){
    $l=$i+1;
    print"Array $1:\n";
    for($j=0;$j<3;$j++){
        for($k=0;$k<3;$k++){
            print"$arr[$i][$j][$k]";
        }
    }
    print"\n";
}
print"\n";
}

$arr1=("Yamaha FZ ","Kawasaki Ninja H2R ","Royal Enfield Continental 600GT");
$arr2=("Jeep ","Sedan ","SUV");
$arr3=("Chicken Biryani ","Chicken Shwarma ","Chicken Chilli");
splice(@{$arr[0][2]},0,3,$arr1);
splice(@{$arr[1][2]},0,3,$arr2);
splice(@{$arr[2][2]},0,3,$arr3);
print "The current element of array after Updating:\n";
for($i=0;$i<3;$i++){
    $l=$i+1;
    print"Array $1:\n";
```

```
for($j=0;$j<3;$j++){  
for($k=0;$k<3;$k++){  
print"$arr[$i][$j][$k]";  
}  
print"\n";  
}  
print"\n";  
}
```

### Output:-



```
Microsoft Windows [Version 10.0.19045.2251]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\manis>cd perl  
  
C:\Users\manis\perl>perl expt9.pl  
The current element of array are:  
Array :  
Dasgaon Mahad Pali  
Mumbai Pune Roha  
RaigadMaharashtra India  
  
Array :  
2894  
2484  
4425  
  
Array :  
Range Rover Velar Fortuner Legender Audi A6  
BMW X6 Lamborghini Urus Mustang GT  
Mahindra Thar Porsche 900GT Mercedes Benz  
  
The current element of array after deletion:  
Array :  
Dasgaon Mahad Pali  
Mumbai Pune Roha  
RaigadMaharashtra  
  
Array :  
2894  
2484  
44
```

```
Select Command Prompt

Array :
Range Rover Velar Fortuner Legender Audi A6
BMW X6 Lamborghini Urus Mustang GT
Mahindra Thar Porsche 900GT

The current element of array after insertion:
Array :
Dasgaon Mahad Pali
Mumbai Pune Roha
RaigadMaharashtra Banglore

Array :
2894
2484
442824

Array :
Range Rover Velar Fortuner Legender Audi A6
BMW X6 Lamborghini Urus Mustang GT
Mahindra Thar Porsche 900GT Mercedes C-220D

The current element of array after Updating:
Array :
Dasgaon Mahad Pali
Mumbai Pune Roha
Yamaha FZ Kawasaki Ninja H2R Royal Enfield Continental 600GT

Array :
2894
2484
Jeep Sedan SUV

Array :
Range Rover Velar Fortuner Legender Audi A6
BMW X6 Lamborghini Urus Mustang GT
Chicken Biryani Chicken Shwarma Chicken Chilli

C:\Users\manis\perl>
```

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)

**Name:- Manish Shashikant Jadhav**

**Roll no.:- 2201933**

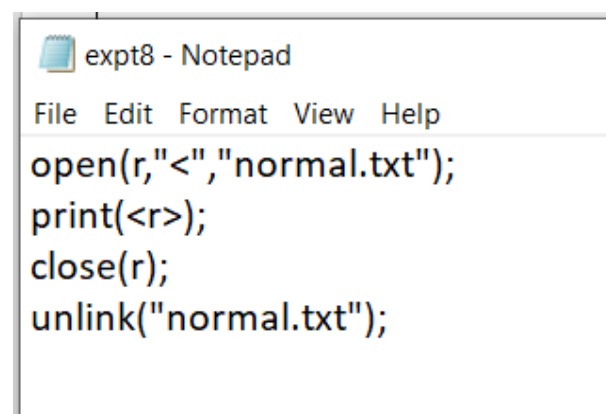
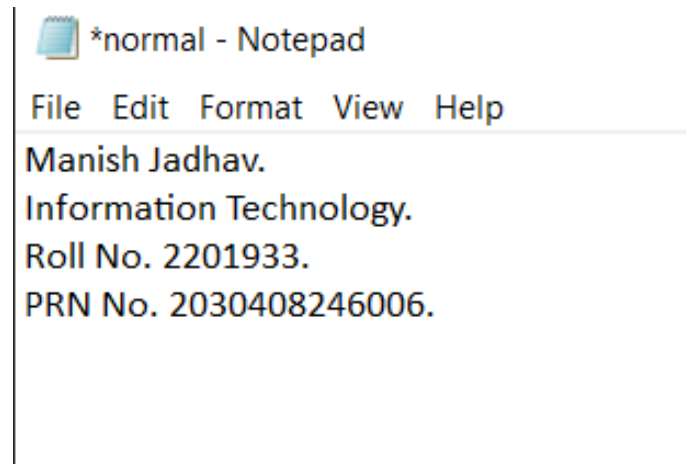
**PRN no.:- 2030408246006**

**Subject:- Perl Lab**

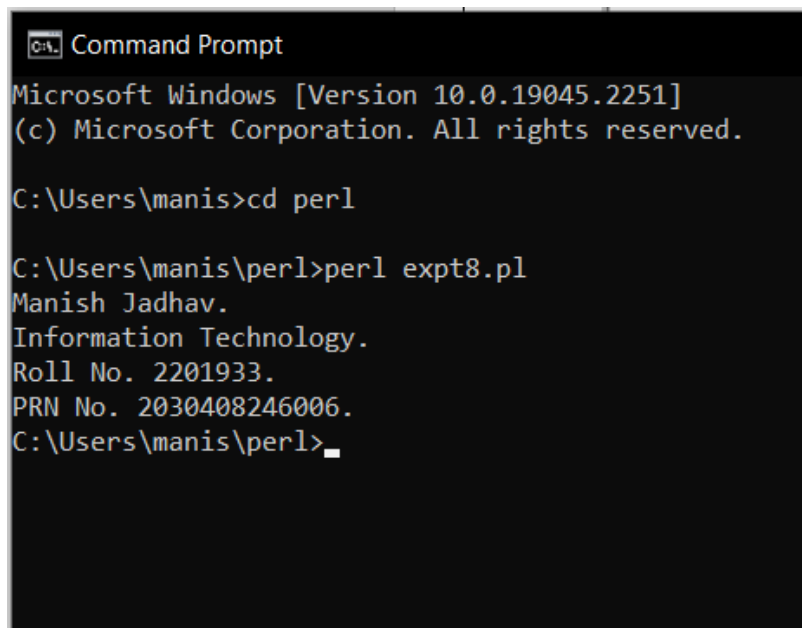
## **Experiment no.8**

**Aim:-** Edit, Compile, Execute a program to perform File Handling.

**Input:-**



### Output:-



```
Command Prompt
Microsoft Windows [Version 10.0.19045.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manis>cd perl

C:\Users\manis\perl>perl expt8.pl
Manish Jadhav.
Information Technology.
Roll No. 2201933.
PRN No. 2030408246006.
C:\Users\manis\perl>
```

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)


**Name:- Manish Shashikant Jadhav****Roll no.:- 2201933****PRN no.:- 2030408246006****Subject:- Perl Lab**

## Experiment no.9

**Aim:-** Edit, Compile, Execute a program to create and remove directory.

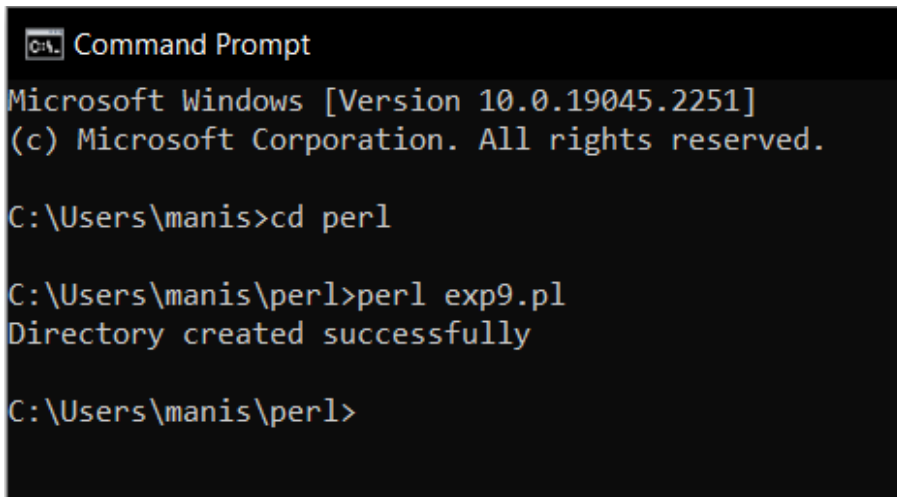
**A)Program:-** To create directory

**Input:-**

 exp9 - Notepad

```
File Edit Format View Help
my $directory = '/users/manis/heyty/new file created';
mkdir($directory) or die "Couldn't create $directory Directory, $!";
print"Directory created successfully\n";
```

**Output:-**



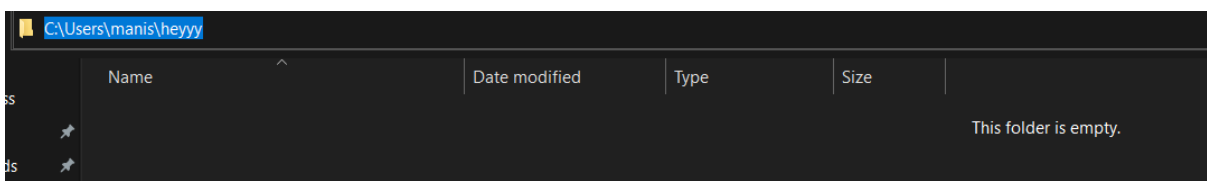
```
Command Prompt
Microsoft Windows [Version 10.0.19045.2251]
(c) Microsoft Corporation. All rights reserved.

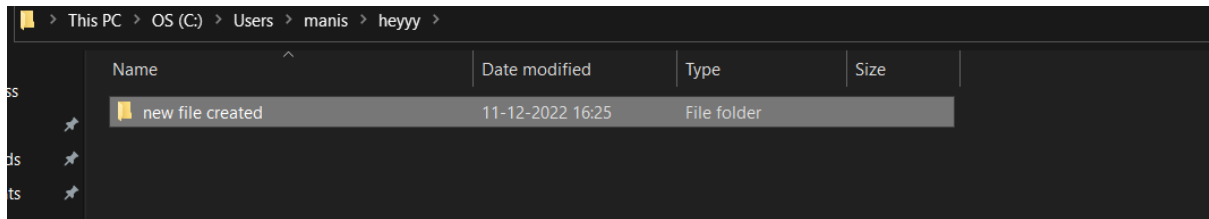
C:\Users\manis>cd perl

C:\Users\manis\perl>perl exp9.pl
Directory created successfully

C:\Users\manis\perl>
```

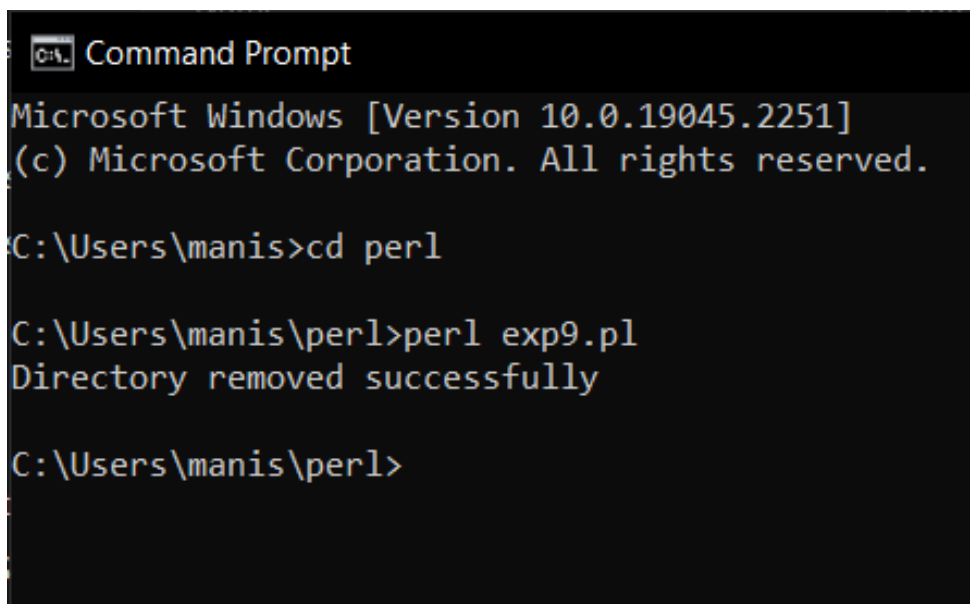
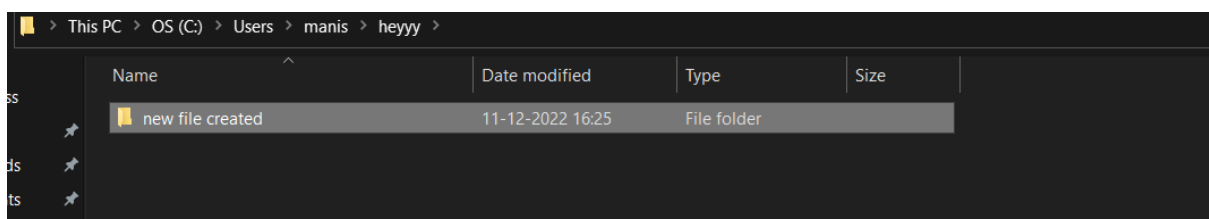
**Before executing program:**



**After executing program:****B)Program:-** To remove directory**Input:-**

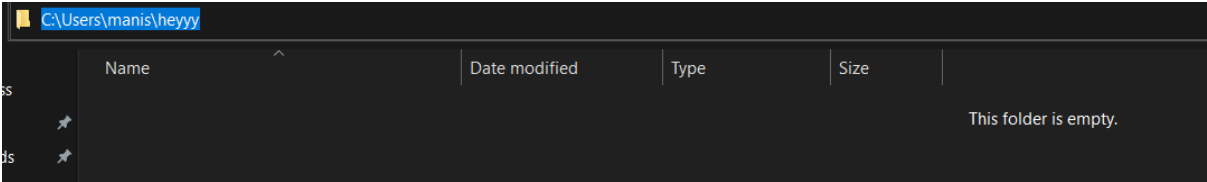
exp9 - Notepad

```
File Edit Format View Help
my $directory = '/users/manis/heyyy/new file created';
rmdir($directory) or die "Couldn't remove $directory Directory, $!";
print"Directory removed successfully\n";
```

**Output:-****Before executing program:**



After executing program:



Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)

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**Subject:- Perl Lab**

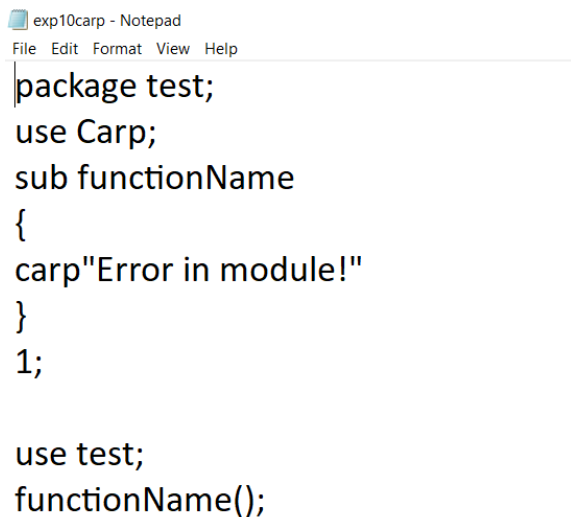
## **Experiment no.10**

**Aim:-** Edit, Compile, Execute a program to perform Error Handling Function develop a program:

**a.**The Carp Function **b.**The Cluck Function **c.**The Croak Function.

**A)Program:-** The Carp Function

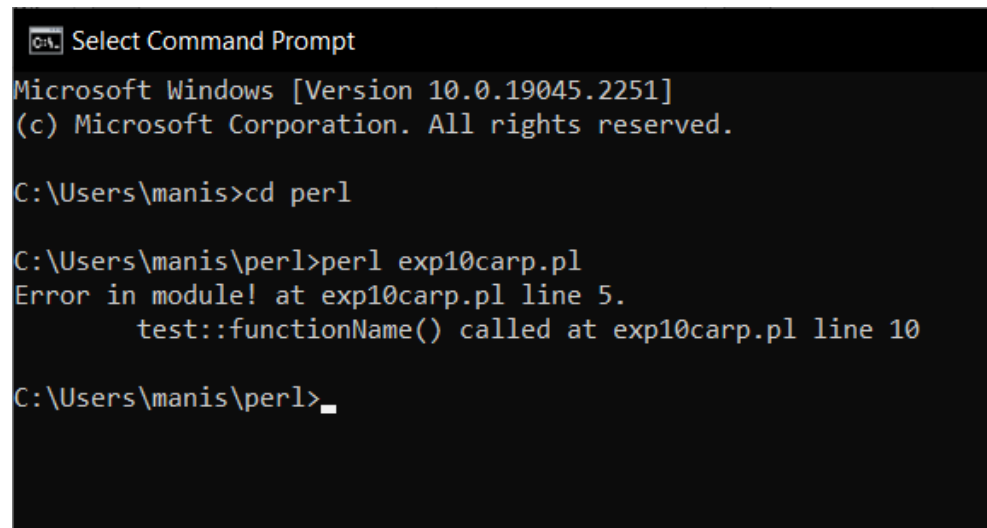
**Input:-**



```
exp10carp - Notepad
File Edit Format View Help
package test;
use Carp;
sub functionName
{
    carp "Error in module!"
}
1;

use test;
functionName();
```

### Output:-



```
C:\> Select Command Prompt
Microsoft Windows [Version 10.0.19045.2251]
(c) Microsoft Corporation. All rights reserved.

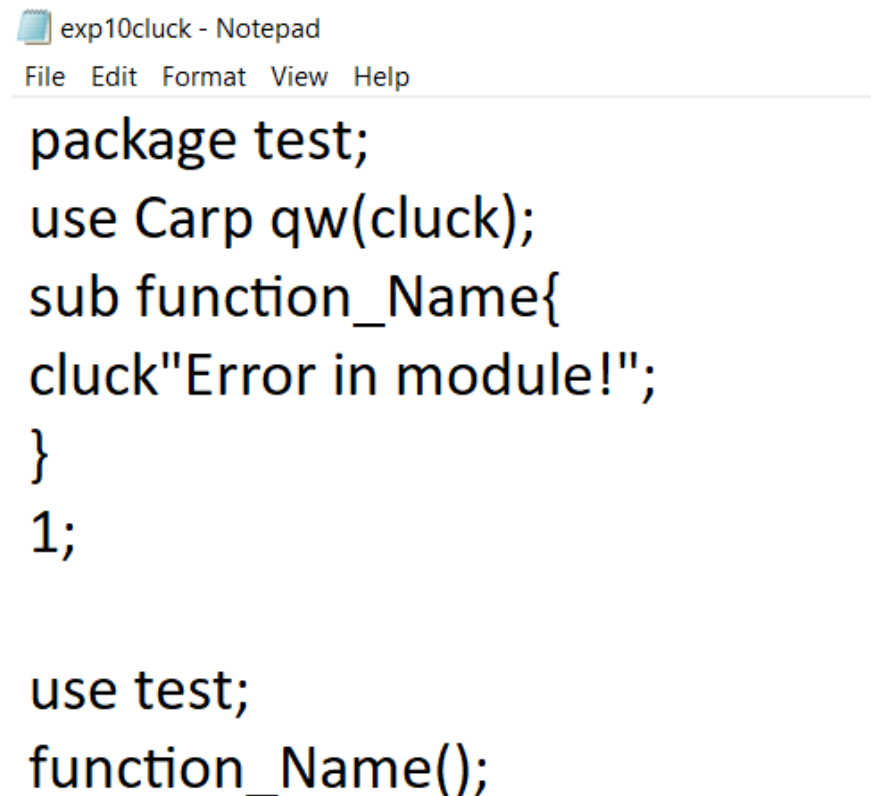
C:\Users\manis>cd perl

C:\Users\manis\perl>perl exp10carp.pl
Error in module! at exp10carp.pl line 5.
      test::functionName() called at exp10carp.pl line 10

C:\Users\manis\perl>_
```

### B)Program:- The Cluck Function

#### Input:-

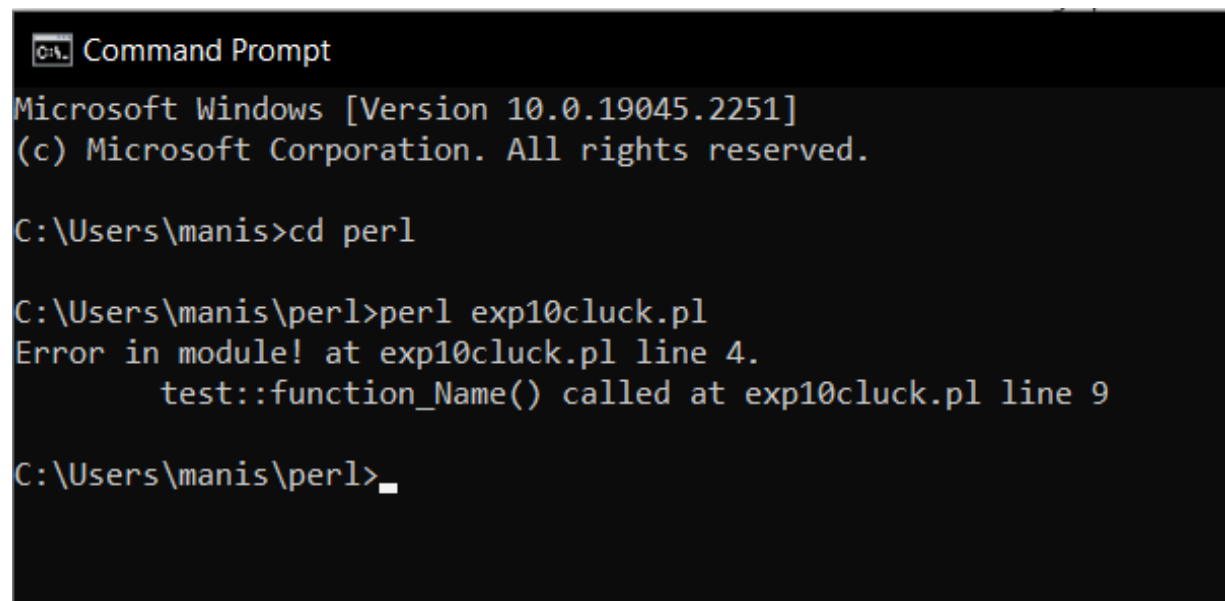


```
exp10cluck - Notepad
File Edit Format View Help

package test;
use Carp qw(cluck);
sub function_Name{
cluck"Error in module!";
}
1;

use test;
function_Name();
```

### Output:-



```
Command Prompt
Microsoft Windows [Version 10.0.19045.2251]
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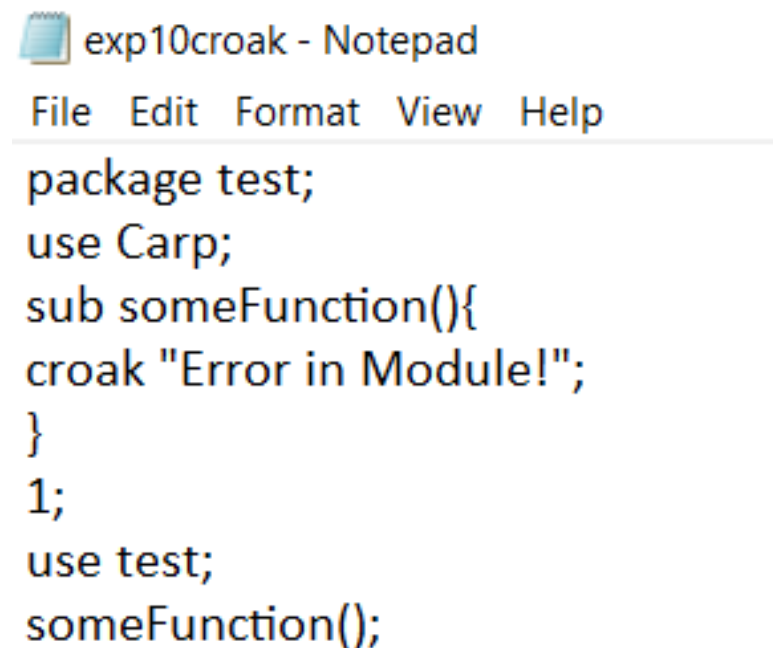
C:\Users\manis>cd perl

C:\Users\manis\perl>perl exp10cluck.pl
Error in module! at exp10cluck.pl line 4.
      test::function_Name() called at exp10cluck.pl line 9

C:\Users\manis\perl>
```

### C)Program:- The Croak Function

#### Input:-



```
exp10croak - Notepad
File Edit Format View Help

package test;
use Carp;
sub someFunction(){
croak "Error in Module!";
}
1;
use test;
someFunction();
```

## Output:-

```
Command Prompt
Microsoft Windows [Version 10.0.19045.2251]
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C:\Users\manis>cd perl

C:\Users\manis\perl>perl exp10croak.pl
Error in Module! at exp10croak.pl line 4.
    test::someFunction() called at exp10croak.pl line 8

C:\Users\manis\perl>
```

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)