

Experiment No. 9

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Batch : S2

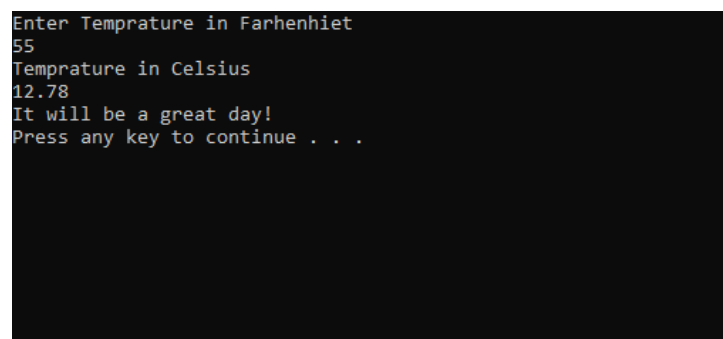
Moodle Id : 18102043

Subject : OSTL

1)

```
use feature 'say';
say "Enter Temprature in Farhenhiet";
my $input=<STDIN>;
my $celsius=($input-32)*5/9;
say "Temprature in Celsius";
printf("%.2f",$celsius);
print("\n");
if($input<=40)
{say "Take a coat";
}
elsif($input>=80)
{
say "Avoid Sunburn";
}
elsif($input>40 && $input<80)
{
say "It will be a great day!";
}
else
{
say "Something Went Wrong";
}
```

OUTPUT :

A screenshot of a terminal window showing the output of the Perl script. The text is as follows:

```
Enter Temprature in Farhenhiet
55
Temprature in Celsius
12.78
It will be a great day!
Press any key to continue . . .
```

2)

```
use feature "say";
$dec=<STDIN>;
$bin;
sub dec2bin
{
$bin=sprintf ("%b", $dec);
return $bin;
}
say dec2bin();
sub bin2oct
{
$temp=oct("0b".$bin);
#return $temp
$octal=printf("%o\n",$temp);
return $octal;
}
say bin2oct();
```

OUTPUT ::



```
34
100010
42
1
Press any key to continue . . .
```

3)

```
use feature "say";
```

```

$name=<STDIN>;
$year=<STDIN>;
@marks;
$sum=0;
    $res=0;sub CalcMarks
    {
        if($year==2019)
        {
            say "Enter marks in three Subjects";
            while(@marks<3)
            {
                my $nums=<STDIN>;
                push (@marks,$nums);
            }
            foreach my $nums(@marks)
            {
                $sum = $sum + $nums;
            }
            say $res=($sum/3);
            if($res<35)
            {
                say "F";
            }
            if($res>75)
            {
                say "O Grade";
            }
            elsif($res>35 && $res<75)
            {
                say "Pass";
            }
        }
        elsif($year==2020)
        {
            say "Enter marks in 4 Subjects";
            while(@marks<4)
            {
                my $nums=<STDIN>;
                push (@marks,$nums);
            }
            foreach my $nums(@marks)
            {

```

```

    $sum = $sum + $nums;
}
say $res=($sum/3);
if($res<35)
{
    say "F";
}
if($res>75)
{
    say "O Grade";
}
elseif($res>35 && $res<75)
{
    say "Pass";
}
}
}
say CalcMarks();

```

OUTPUT :

```

Johnny
2019
Enter marks in three Subjects
36
36
99
57
Pass
1
Press any key to continue . . .

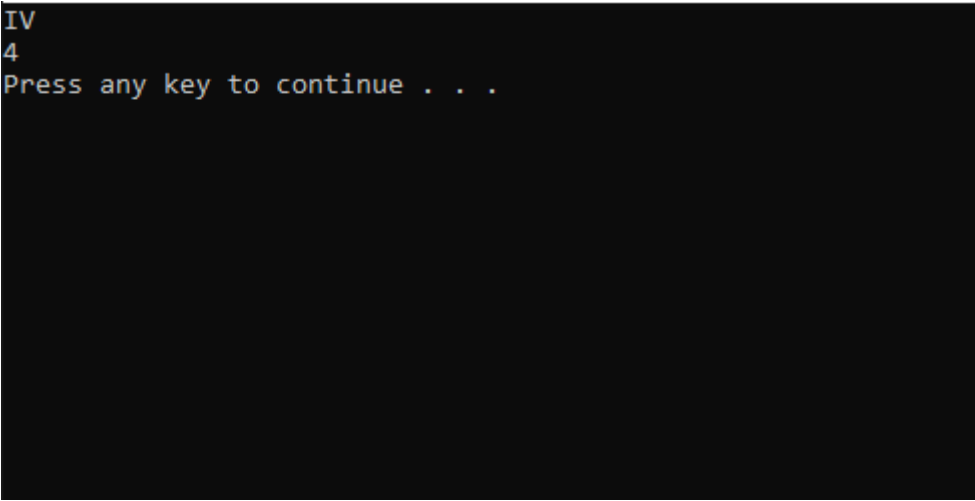
```

4)

use warnings;

```
use feature 'say';
my %numbers=(1=>"I",2=>"II",3=>"III",4=>"IV");
%numbers2=();
$inp=4;
say $numbers{$inp};
%numbers2= reverse %numbers;
say $numbers2{"IV"};
```

OUTPUT :



```
IV
4
Press any key to continue . . .
```

5)

```
use feature 'say';
$res=0;
my @nums = (1..20);
my @odds;
my @primes;
foreach my $num (@nums)
{
    if($num%2==0)
    {
        push(@odds,$num);
    }
}
foreach my $items(@nums)
```

```

{
    my $check="true";
    for(2..$items-1)
    {
        if($items % $_==0)
        {
            $check="false"
        }
    }
    if($check eq "true")
    {
        push(@primes,$items);
    }
}
foreach my $item (@odds)
{
    say $item;
}
foreach my $item (@primes)
{
    say $item;
}
say "Length of Odd Array";
say scalar @odds;
say "Length of Prime Array";
say scalar @primes;

```

OUTPUT ::

```

2
4
6
8
10
12
14
16
18
20
1
2
3
5
7
11
13
17
19
Length of Odd Array
10
Length of Prime Array
9
Press any key to continue . . .

```