

## PERL SCRIPTING

**Aim :**

To practice Perl Scripting

**Question :**

Create a text file and answer the following queries :

- a) Search for the pattern 'apple' in the file and display the number of occurrences.
- b) Count the number of words that ends with 'e'
- c) Count the number of words that starts with 'ap'
- d) Search for words containing 'a' or 's'
- e) Search for words containing zero or more occurrence of 'e'
- f) Search for words containing one or more occurrence of 'e'
- g) Search for words containing the letters 'l' and 'm', with any number of characters in between

**Algorithm :**

- 1 start
- 2 read file
- 3 if file not exists, exit programs
- 4 else
- 5 count no of word 'apple'
- 6 count no of word end with 'e'
- 7 count the number of words tarts with 'ap'
- 8 print words containing 'a' or 's'
- 9 print words containing zero or more occurrence of 'e'
- 10 print words containing one or more occurrence of 'e'
- 11 print words containing the letters 'l' and 'm', with any number of characters in between

**Program :**

```
print "Enter file name : ";
$file = <>;
$word = "apple";
$counta = 0;
$countb = 0;
$countc = 0;
open (FHR, $file) or die "Cant open file: $file";
while(<FHR>)
{
    chomp;
    @line = split(' ');
    foreach my $word (@line)
    {
        push @word_as, $word if $word =~ /\w*(a|s)\w*/;
        push @word_ezero, $word if $word =~ /\w*()\w*/;
        push @word_eone, $word if $word =~ /\w*(e)\w*/;
        push @word_lm, $word if $word =~ /\w*l\w*m\w*/;
    }
    $count++ if $word =~ /\w*(a|s)\w*/;
    $counta += () = $_ =~ /\w*$word\w*/gi;
}
```

```

$countb += () = $_ =~ /\w*e\b/gi;
$countc += () = $_ =~ /\bap\w*/gi;
}
print "\nOccurance of 'apple' in file $file = ";
print $counta;
print "\n";
print "\nNumber of words that ends with 'e' = $countb\n";
print "\n";
print "Number of words that starts with 'ap' = $countc\n";
print "\n";
print "Words containing 'a' or 's' \n", join ", ", @word_as;
print "\n\n";
print "Words containing zero or more occurrence of 'e' = \n", join ", ", @word_ezero;
print "\n\n";
print "Words containing one or more occurrence of 'e' = \n", join ", ", @word_eone;
print "\n\n";
print "Words containing the letters 'l' and 'm', with any number of characters in between = \n", join
", ", @word_lm;
print "\n";
close $file;

```

### **Output :**

```

hishamalip@savage:~/Desktop/perl$ cat sample
apple there
file
lithium lion apple
labcdm appreciate
horse apple
hishamalip@savage:~/Desktop/perl$ perl pgm.pl
Enter file name : sample

Occurance of 'apple' in file sample
= 3

Number of words that ends with 'e' = 7

Number of words that starts with 'ap' = 4

Words containing 'a' or 's'
apple, apple, labcdm, appreciate, horse, apple

Words containing zero or more occurrence of 'e' =
apple, there, file, lithium, lion, apple, labcdm, appreciate, horse, apple

Words containing one or more occurrence of 'e' =
apple, there, file, apple, appreciate, horse, apple

Words containing the letters 'l' and 'm', with any number of characters in between =
lithium, labcdm
hishamalip@savage:~/Desktop/perl$ 

```

### **Result :**

Perl Scripting questions are familiarized and output is obtained successfully