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ROLL-20, Dept. - CSE, YEAR – 4th, 7TH SEM

IT LAB ASSIGNMENT 13

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1. Write a program in perl to demonstrate variable scopes. Code:

```
$name = "ByeBye";  
print "$name\n";  
{  
    print "$name\n";  
    $name = "HelloHi"; print  
    "$name\n";  
}  
print "$name\n";
```

Output:

```
ByeBye  
ByeBye  
HelloHi  
HelloHi
```

2. Write a program in perl to calculate the length of a given string.

Code:

```
#!/usr/bin/perl  
  
$original_string = "Geeks for Geeks";  
$string_len = length($original_string);  
print "Length of String is: $string_len";
```

Output:

```
Length of String is: 15
```

3. Write a program in perl to convert a given string to lowercase to uppercase and vice-versa.

Code:

```
$a = 'Foo Bar';  
$b = uc $a;  
$c = lc $a;  
print "uppercase: $b ";  
print "lowercase: $c";
```

Output:

uppercase: FOO BAR lowercase: foo bar

4. Write a program in perl to find out the position of a substring in a given string.

Code:

```
$string = "Geeks are the best";  
$index = index ($string, 'the');  
print "Position of 'the' in the string: $index\n";
```

Output:

Position of 'the' in the string: 10

5. Write a program in perl to extract a substring from a given string.

Code:

```
$string = "HelloHiByeBye";  
$sub_string1 = substr($string, 4); print  
"Substring 1 : $sub_string1\n";  
$sub_string2 = substr($string, 4, 5);  
print "Substring 2 : $sub_string2 ";
```

Output:

Substring 1 : oHiByeBye
Substring 2 : oHiBy