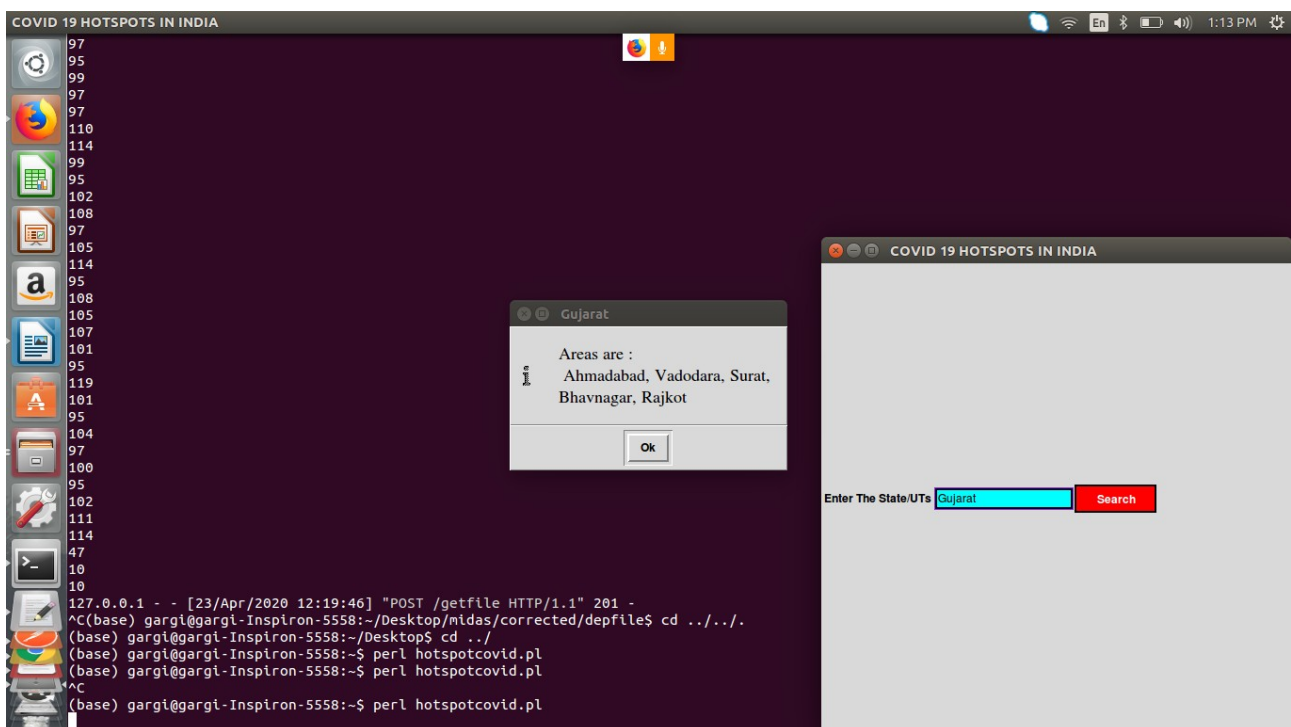
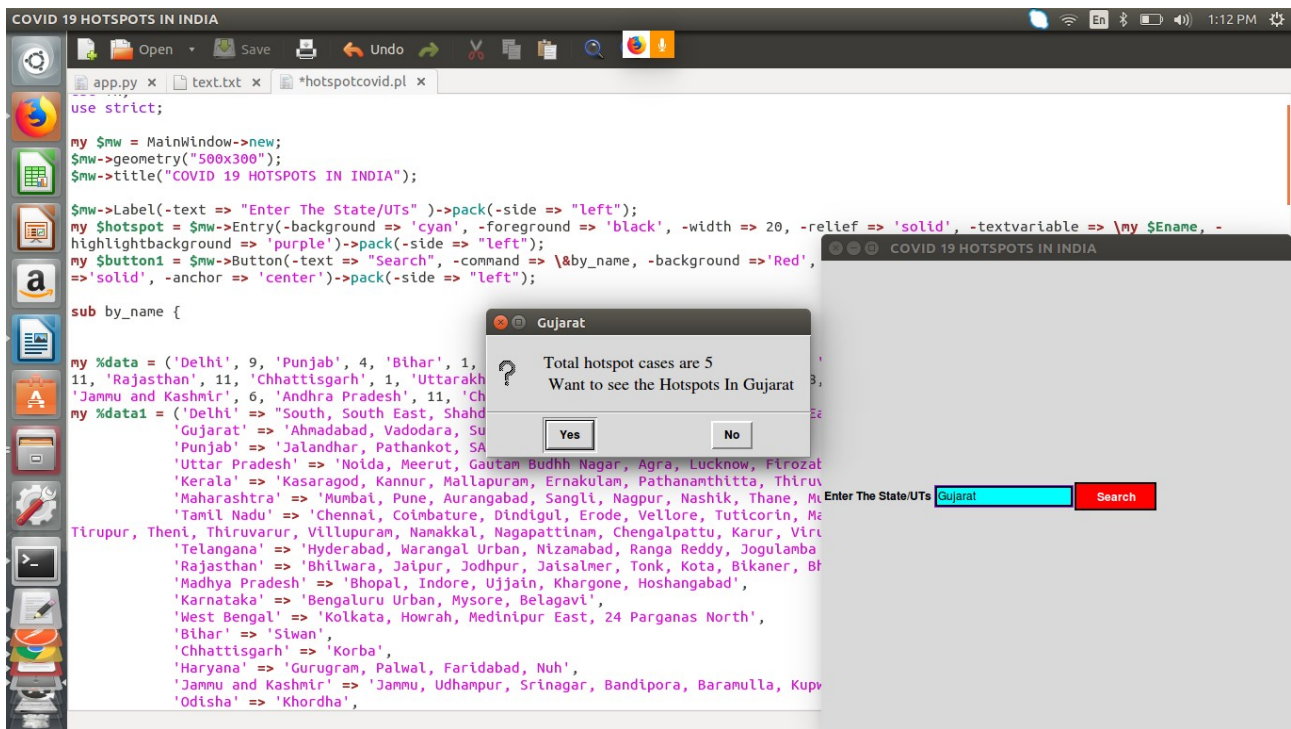


# Lab

Submitted by : Gargi Trivedi 2019PSP3023

Write a Perl-Tk script to design a GUI for the number of hotspots in each State/UT for COVID19 INDIA.



Code:

```
#!/usr/bin/perl -w
```

```
use Tk;  
use strict;
```

```
my $mw = MainWindow->new;  
$mw->geometry("500x300");  
$mw->title("COVID 19 HOTSPOTS IN INDIA");
```

```
$mw->Label(-text => "Enter The State/UTs" )->pack(-side => "left");  
my $shotspot = $mw->Entry(-background => 'cyan', -foreground => 'black', -width => 20, -relief =>  
'solid', -textvariable => \my $Ename, -highlightbackground => 'purple')->pack(-side => "left");  
my $button1 = $mw->Button(-text => "Search", -command => \&by_name, -background => 'Red',  
-foreground => 'White', -padx => 20, -relief => 'solid', -anchor => 'center')->pack(-side => "left");
```

```
sub by_name {
```

```
my %data = ('Delhi', 9, 'Punjab', 4, 'Bihar', 1, 'Uttar Pradesh', 10, 'West Bengal', 4, 'Gujarat', 5,  
'Kerala', 6, 'Haryana', 4, 'Maharashtra', 11, 'Rajasthan', 11, 'Chhattisgarh', 1, 'Uttarakhand', 1,  
'Karnataka', 3, 'Telangana', 8, 'Madhya Pradesh', 5, 'Odisha', 1, 'Tamil Nadu', 21, 'Jammu and  
Kashmir', 6, 'Andhra Pradesh', 11, 'Chandigarh', 'Full');
```

```
my %data1 = ('Delhi' => "South, South East, Shahdara, West, North, Central, New Delhi, East,  
South West",
```

```
    'Gujarat' => 'Ahmadabad, Vadodara, Surat, Bhavnagar, Rajkot',
```

```
    'Punjab' => 'Jalandhar, Pathankot, SAS Nagar, Shaheed Bhagat Singh Nagar',
```

```
    'Uttar Pradesh' => 'Noida, Meerut, Gautam Budhh Nagar, Agra, Lucknow, Firozabad,  
Shamli, Moradabad, Saharanpur, Ghaziabad',
```

```
    'Kerala' => 'Kasaragod, Kannur, Mallapuram, Ernakulam, Pathanamthitta,  
Thiruvananthapuram',
```

```
    'Maharashtra' => 'Mumbai, Pune, Aurangabad, Sangli, Nagpur, Nashik, Thane, Mumbai  
Suburban, Buldhana, Ahmednagar, Yavatmal',
```

```
    'Tamil Nadu' => 'Chennai, Coimbatore, Dindigul, Erode, Vellore, Tuticorin, Madurai,  
Tiruchirapalli, Salem, Cuddalore, Tirunelveli, Tirupur, Theni, Thiruvavarur, Villupuram, Namakkal,  
Nagapattinam, Chengalpattu, Karur, Viruhnagar, Kanyakumari',
```

```
    'Telangana' => 'Hyderabad, Warangal Urban, Nizamabad, Ranga Reddy, Jogulamba Gadwal,  
Karimnagar, Medhchal Malkagiri, Nirmal',
```

```
    'Rajasthan' => 'Bhilwara, Jaipur, Jodhpur, Jaisalmer, Tonk, Kota, Bikaner, Bharatpur,  
Banswara, Jhalawar, Jhunjhunu',
```

```
    'Madhya Pradesh' => 'Bhopal, Indore, Ujjain, Khargone, Hoshangabad',
```

```
    'Karnataka' => 'Bengaluru Urban, Mysore, Belagavi',
```

```
    'West Bengal' => 'Kolkata, Howrah, Medinipur East, 24 Parganas North',
```

```
    'Bihar' => 'Siwan',
```

```
    'Chhattisgarh' => 'Korba',
```

```
    'Haryana' => 'Gurugram, Palwal, Faridabad, Nuh',
```

```
    'Jammu and Kashmir' => 'Jammu, Udhampur, Srinagar, Bandipora, Baramulla, Kupwara',
```

```
    'Odisha' => 'Khordha',
```

```
    'Uttarakhand' => 'Dehradun',
```

```
    'Andhra Pradesh' => 'Kurnool, Nellore, Guntur, Prakasam, Vishakhapatnam, Krishna, YSR,  
West Godavari, East Godavari, Chittoor, Anantapur');
```

```

if ( $Ename =~ /Uttar Pradesh/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Uttar Pradesh'}\n Want to see the Hotspots In UP", -type => "yesno", -icon => "question", -title => "UP");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Uttar Pradesh'}", -type => "ok", -title => "UP", -icon => "info");
    } else {
        exit;
    }
} elsif ( $Ename =~ /Gujarat/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Gujarat'}\n Want to see the Hotspots In Gujarat", -type => "yesno", -icon => "question", -title => "Gujarat");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Gujarat'}", -type => "ok", -title => "Gujarat", -icon => "info");
    } else {
        exit;
    }
} elsif ( $Ename =~ /Delhi/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Delhi'}\n Want to see the Hotspots In Delhi", -type => "yesno", -icon => "question", -title => "DELHI");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Delhi'}", -type => "ok", -title => "DELHI", -icon => "info");
    } else {
        exit;
    }
} elsif ( $Ename =~ /Bihar/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Bihar'}\n Want to see the Hotspot In Bihar", -type => "yesno", -icon => "question", -title => "Bihar");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Area is :\n $data1{'Bihar'}", -type => "ok", -title => "Bihar", -icon => "info");
    } else {
        exit;
    }
} elsif ( $Ename =~ /West Bengal/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'West Bengal'}\n Want to see the Hotspots In West Bengal", -type => "yesno", -icon => "question", -title => "WB");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'West Bengal'}", -type => "ok", -title => "WB", -icon => "info");
    } else {
        exit;
    }
} elsif ( $Ename =~ /Haryana/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Haryana'}\n Want to see the Hotspots In Haryana", -type => "yesno", -icon => "question", -title => "Haryana");

```

```

if ( $response eq "Yes" ) {
    $mw->messageBox(-message => "Areas are :\n $data1{'Haryana'}", -type => "ok", -title =>
"HARYANA", -icon => "info");
} else {
    exit;
}

} elsif ( $Ename =~ /Kerala/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Kerala'}\n Want
to see the Hotspots In Kerala", -type => "yesno", -icon => "question", -title => "KERALA");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Kerala'}", -type => "ok", -title =>
"KERALA", -icon => "info");
    } else {
        exit;
    }

} elsif ( $Ename =~ /Punjab/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Odisha'}\n Want
to see the Hotspots In Punjab", -type => "yesno", -icon => "question", -title => "PUNJAB");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Punjab'}", -type => "ok", -title =>
"PUNJAB", -icon => "info");
    } else {
        exit;
    }

} elsif ( $Ename =~ /Odisha/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Odisha'}\n Want
to see the Hotspot In Odisha", -type => "yesno", -icon => "question", -title => "ODISHA");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Area is :\n $data1{'Odisha'}", -type => "ok", -title =>
"ODISHA", -icon => "info");
    } else {
        exit;
    }

} elsif ( $Ename =~ /Tamil Nadu/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Tamil Nadu'}\n
Want to see the Hotspots In Tamil Nadu", -type => "yesno", -icon => "question", -title => "TAMIL
NADU");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Tamil Nadu'}", -type => "ok", -title =>
"TAMIL NADU", -icon => "info");
    } else {
        exit;
    }

} elsif ( $Ename =~ /Maharashtra/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Maharashtra'}\n
Want to see the Hotspots In Maharashtra", -type => "yesno", -icon => "question", -title =>
"MAHARASHTRA");

```

```

if ( $response eq "Yes" ) {
    $mw->messageBox(-message => "Areas are :\n $data1{'Maharashtra'}", -type => "ok", -title =>
"MAHARASHTRA", -icon => "info");
} else {
    exit;
}

} elseif ( $Ename =~ /Uttarakhand/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Uttarakhand'}\n
Want to see the Hotspot In Uttarakhand", -type => "yesno", -icon => "question", -title =>
"UTTARAKHAND");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Area is :\n $data1{'Uttarakhand'}", -type => "ok", -title =>
"UTTARAKHAND", -icon => "info");
    } else {
        exit;
    }
}

} elseif ( $Ename =~ /Chhattisgarh/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Chhattisgarh'}\n
Want to see the Hotspot In Chhattisgarh", -type => "yesno", -icon => "question", -title =>
"Chhattisgarh");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Area is :\n $data1{'Chhattisgarh'}", -type => "ok", -title =>
"Chhattisgarh", -icon => "info");
    } else {
        exit;
    }
}

} elseif ( $Ename =~ /Karnataka/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Karnataka'}\n
Want to see the Hotspots In Karnataka", -type => "yesno", -icon => "question", -title =>
"KARNATAKA");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Karnataka'}", -type => "ok", -title =>
"KARNATAKA", -icon => "info");
    } else {
        exit;
    }
}

} elseif ( $Ename =~ /Rajasthan/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Rajasthan'}\n
Want to see the Hotspots In Rajasthan", -type => "yesno", -icon => "question", -title =>
"RAJASTHAN");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Rajasthan'}", -type => "ok", -title =>
"RAJASTHAN", -icon => "info");
    } else {
        exit;
    }
}

} elseif ( $Ename =~ /Telangana/i ) {

```

```

    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Telangana'}\n
Want to see the Hotspots In Telangana", -type => "yesno", -icon => "question", -title =>
"TELANGANA");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Telangana'}", -type => "ok", -title =>
"TELANGANA", -icon => "info");
    } else {
        exit;
    }

} elsif ( $Ename =~ /Andhra Pradesh/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Andhra
Pradesh'}\n Want to see the Hotspots In Andhra Pradesh", -type => "yesno", -icon => "question",
-title => "ANDHRA PRADESH");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Andhra Pradesh'}", -type => "ok", -title
=> "ANDHRA PRADESH", -icon => "info");
    } else {
        exit;
    }

} elsif ( $Ename =~ /Jammu and Kashmir/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Jammu and
Kashmir'}\n Want to see the Hotspots In Jammu and Kashmir", -type => "yesno", -icon =>
"question", -title => "J&K");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Jammu and Kashmir'}", -type => "ok",
-title => "J&K", -icon => "info");
    } else {
        exit;
    }

} elsif ( $Ename =~ /Madhya Pradesh/i ) {
    my $response = $mw->messageBox(-message => "Total hotspot cases are $data{'Madhya
Pradesh'}\n Want to see the Hotspots In Madhya Pradesh", -type => "yesno", -icon => "question",
-title => "MP");
    if ( $response eq "Yes" ) {
        $mw->messageBox(-message => "Areas are :\n $data1{'Madhya Pradesh'}", -type => "ok", -title
=> "MP", -icon => "info");
    } else {
        exit;
    }

} elsif ( $Ename =~ /Chandigarh/i ) {
    $mw->messageBox(-message => "Entire State Under Lockdown", -type => "ok", -icon => "info",
-title => "CHANDIGARH");

} else {

    $mw->messageBox(-message => "Wrong\n Try Again",-type => "OK", -icon => "error");
}
}

```

MainLoop;