

# PERL SETPROTOENT FUNCTION

[http://www.tutorialspoint.com/perl/perl\\_setprotoent.htm](http://www.tutorialspoint.com/perl/perl_setprotoent.htm)

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## Description

This function should be called before the first call to `getprotoent`. The `STAYOPEN` argument is optional and unused on most systems. As `getprotoent` retrieves the information for the next line in the protocol database, then `setprotoent` sets *orresets* the enumeration to the beginning of the set of host entries.

## Syntax

Following is the simple syntax for this function –

```
setprotoent STAYOPEN
```

## Return Value

This function does not return any value.

## Example

Following is the example code showing its basic usage –

```
#!/usr/bin/perl

while(($name, $aliases, $protocol_number) = getprotoent()){
    print "Name = $name\n";
    print "Aliases = $aliases\n";
    print "Protocol Number = $protocol_number\n";
}

setprotoent(1); # Rewind the database.

while(($name, $aliases, $protocol_number) = getprotoent()){
    print "Name = $name\n";
    print "Aliases = $aliases\n";
    print "Protocol Number = $protocol_number\n";
}

endprotoent(); # Closes the database
```

When above code is executed, it produces the following result –

```
Name = ip
Aliases = IP
Protocol Number = 0
Name = hopopt
Aliases = HOPOPT
Protocol Number = 0
Name = icmp
Aliases = ICMP
Protocol Number = 1
Name = igmp
Aliases = IGMP
Protocol Number = 2
Name = ggp
Aliases = GGP
Protocol Number = 3
Name = ipencap
Aliases = IP-ENCAP
Protocol Number = 4
Name = st
Aliases = ST
Protocol Number = 5
```

```
.  
. .  
. .  
Name = rsvp-e2e-ignore  
Aliases = RSVP-E2E-IGNORE  
Protocol Number = 134  
Name = udplite  
Aliases = UDPLite  
Protocol Number = 136  
Name = mpls-in-ip  
Aliases = MPLS-in-IP  
Protocol Number = 137  
Name = manet  
Aliases = manet  
Protocol Number = 138  
Name = hip  
Aliases = HIP  
Protocol Number = 139  
Name = shim6  
Aliases = Shim6  
Protocol Number = 140
```

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