

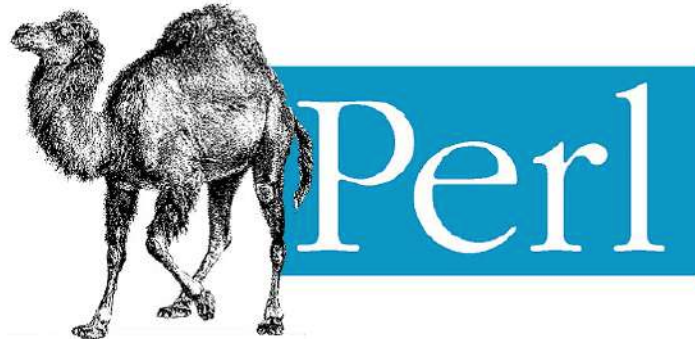
Codenza Perl Guide



Codenza Development Team

Fall 2017

Codenza Perl Guide



Beginner User

Download and install from the Link below: -

<https://www.perl.org/get.html>

Linux and Mac OS already include pre-installed. Check in terminal by typing **perl -v**

Netbeans: -

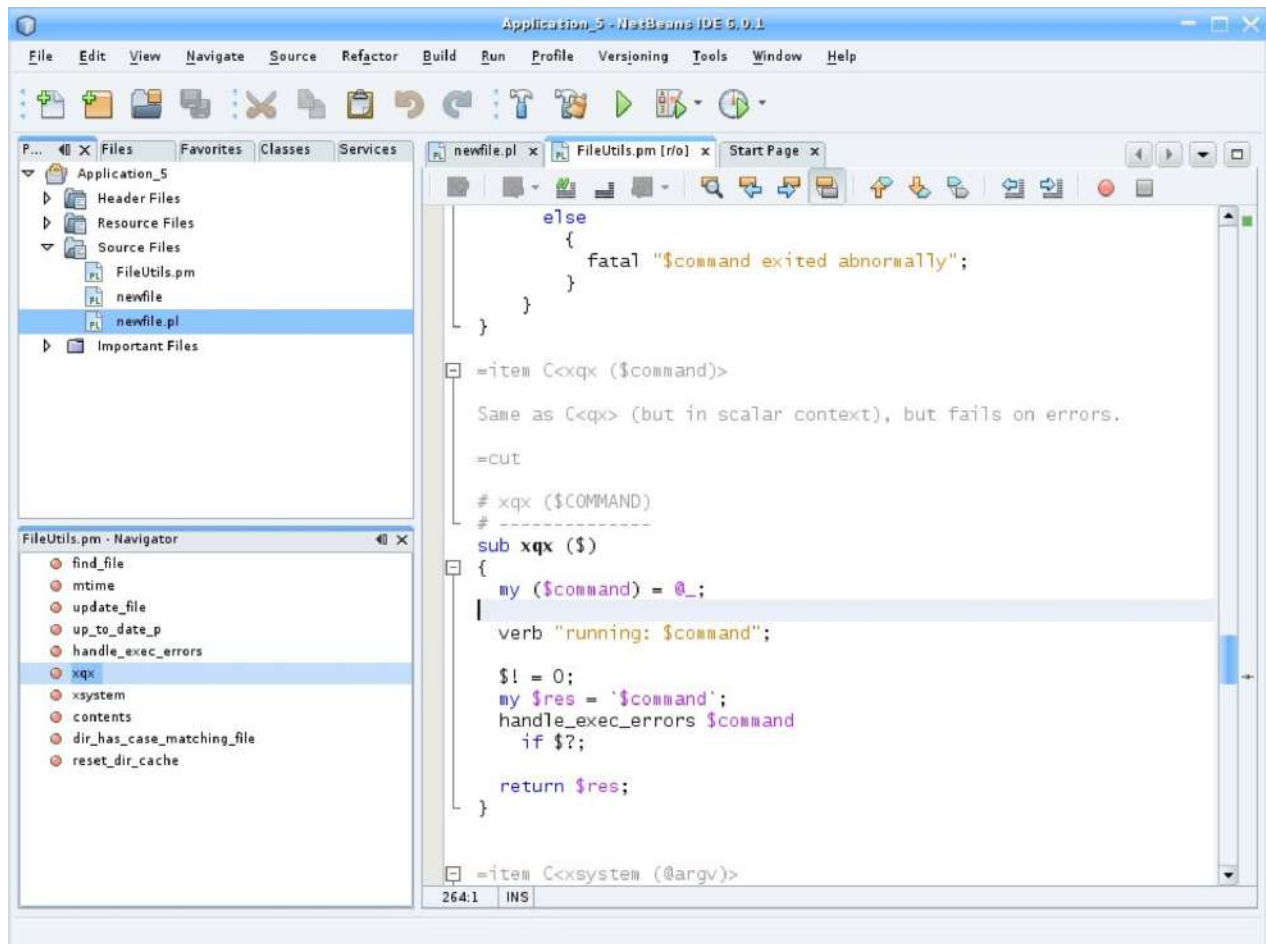
It is a very popular IDE that supports a host of languages through plugins.

Download and install the Netbeans IDE from the link below: -

<https://netbeans.org/downloads/index.html>

Perl On NetBeans - plugin

<http://plugins.netbeans.org/plugin/36183/perl-on-netbeans>



Using Perl Plugin in Netbeans

System Requirements: -

Windows – 7 (SP1), 8, 8.1, 10.

Ubuntu – 14.04 or greater.

Mac OS – 10.10 or greater.

Java - 7 or greater.

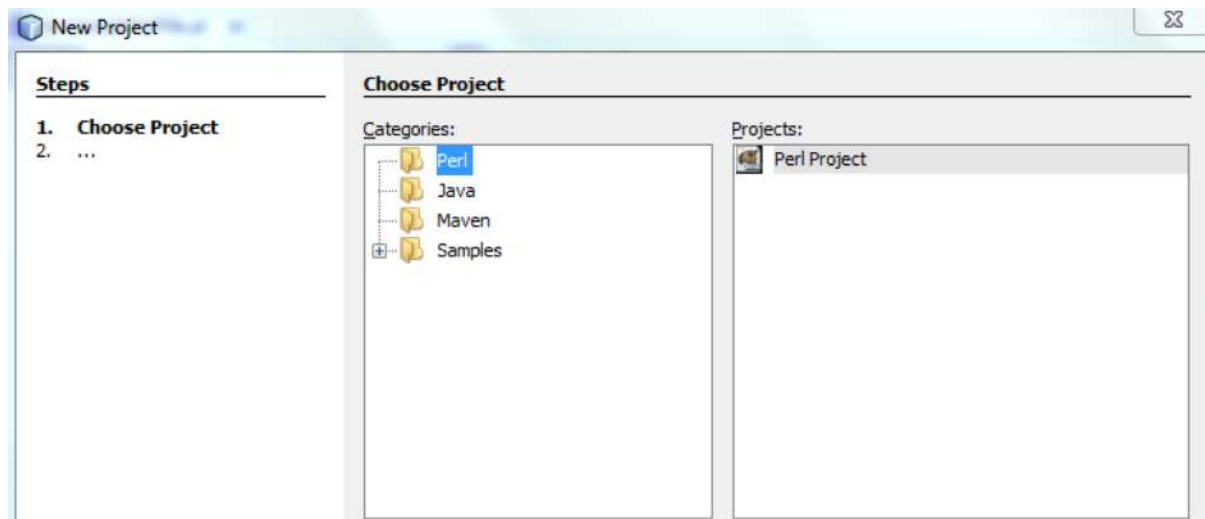
JDK – 1.7 or greater (includes JRE).

Processor – Any Dual Core or better.

RAM – 2GB (Windows-32 bit / Ubuntu-32), 4GB (Windows-64 bit / Ubuntu-64 bit /

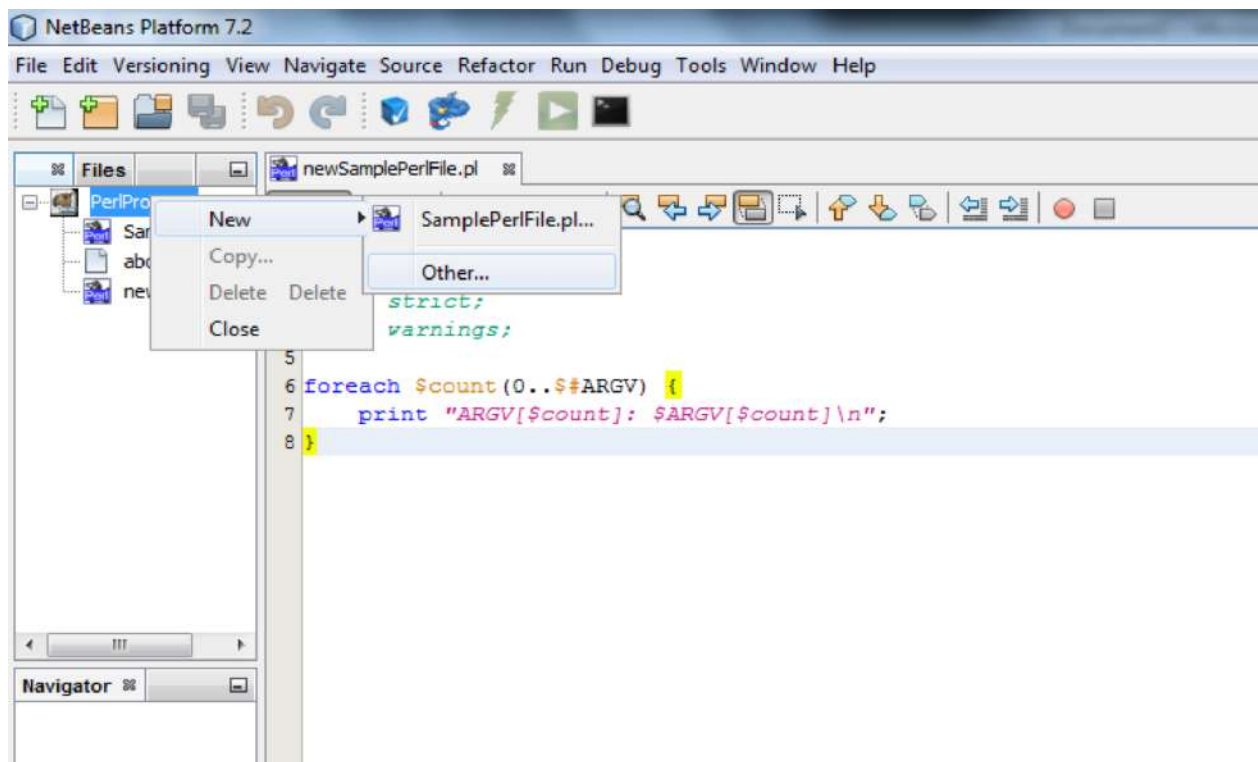
Mac OS – 64 bit)

Disk Space – 1.5GB or greater.

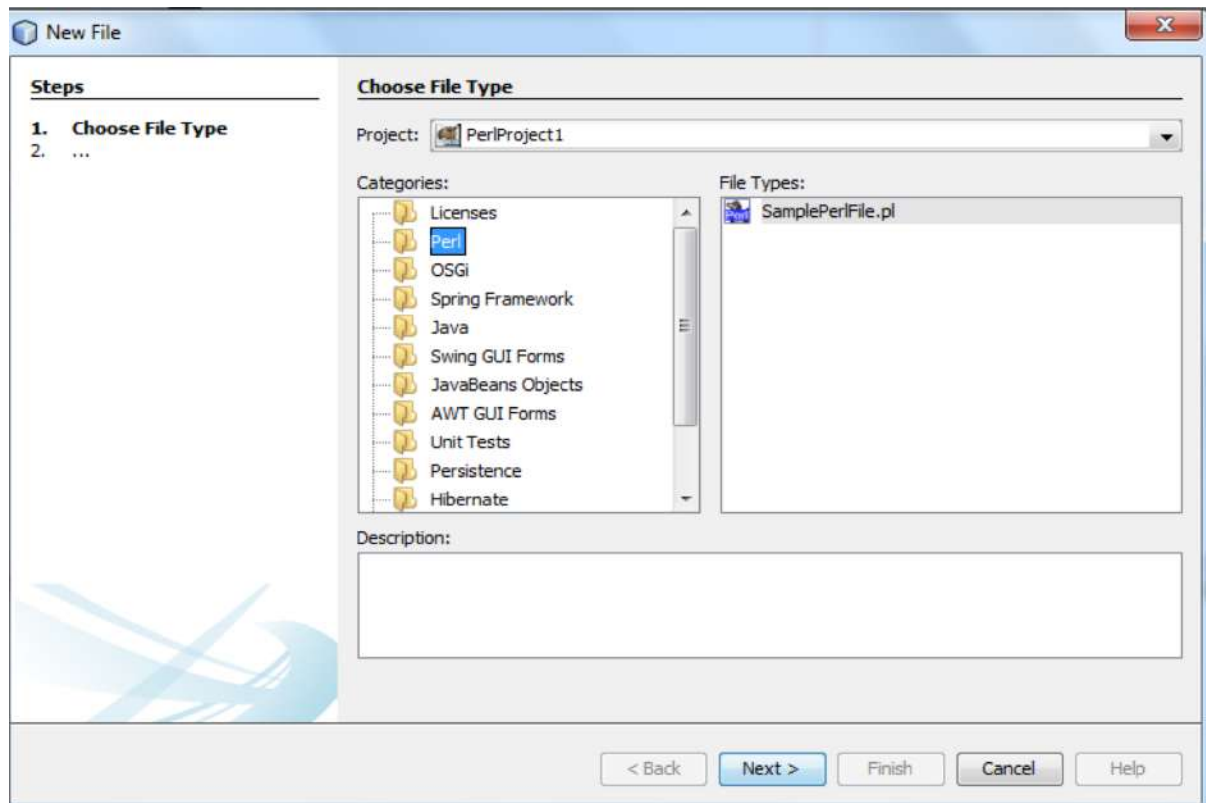


Building and Executing a Perl Program: -

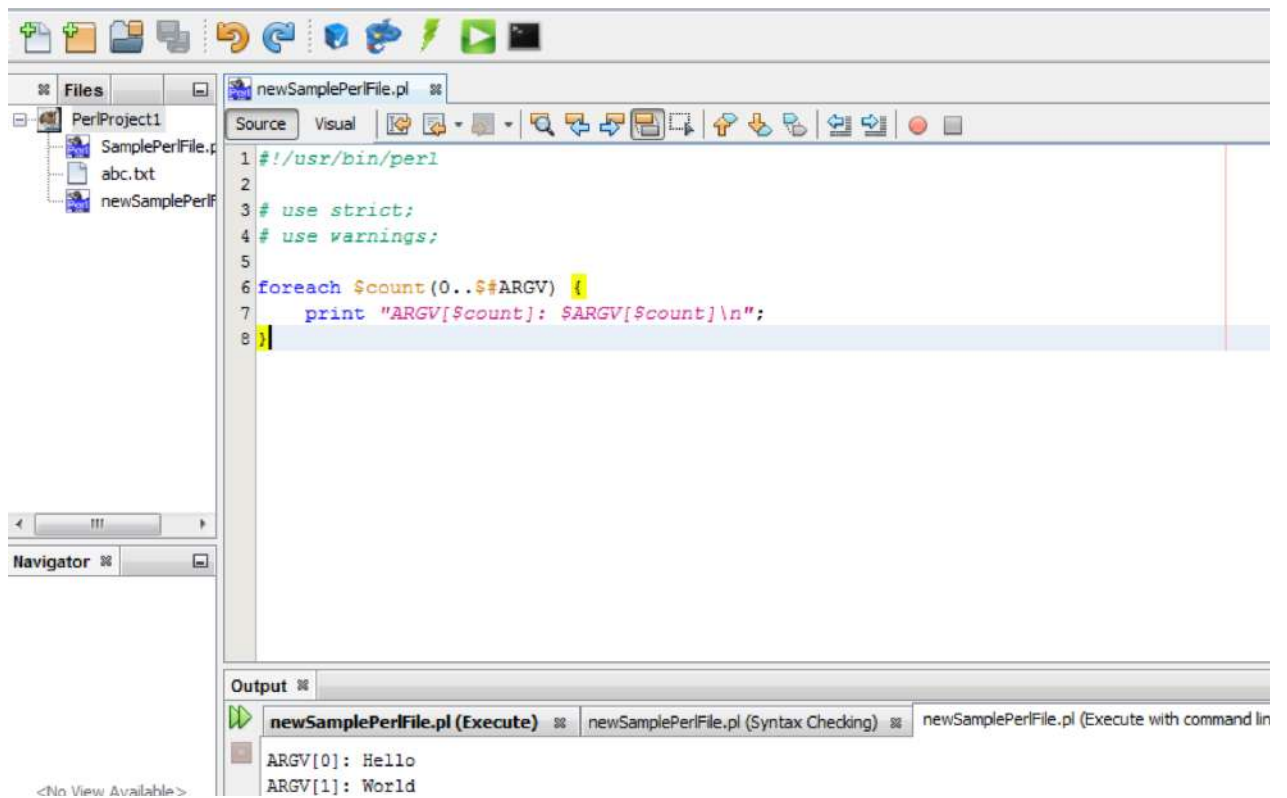
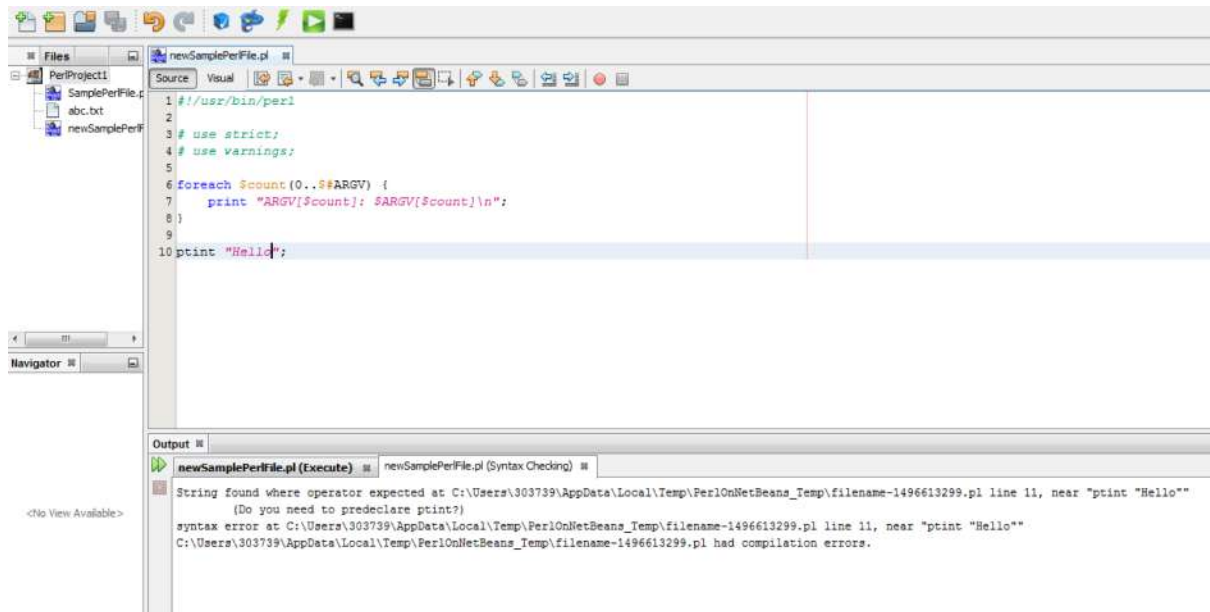
To create a new project, click on the “New Project” icon on the toolbar or select File -> New Project.



A new file can be added to any project by Right Click on the project node and then by selecting “New -> Other”, as shown below:



This opens the subsequent window for selecting the file type and locations. Select the “Perl” category and then select “SamplePerlFile.pl” as the file type:



Check Files for Syntax Errors: -

Click on the “Syntax Check” button on the toolbar as shown below. This checking happens based on the version of the Perl compiler that is currently installed on your system.

Execute Files: -

Padre, the Perl IDE: -

Padre is a Perl IDE, an integrated development environment, or in other words a text editor that is simple to use for new Perl programmers but also supports large multi-lingual and multi-technology projects.

System Requirements: -

Windows - 7SP1, 8, 8.1, 10.

Ubuntu – 10.10 or greater.

Mac OS.

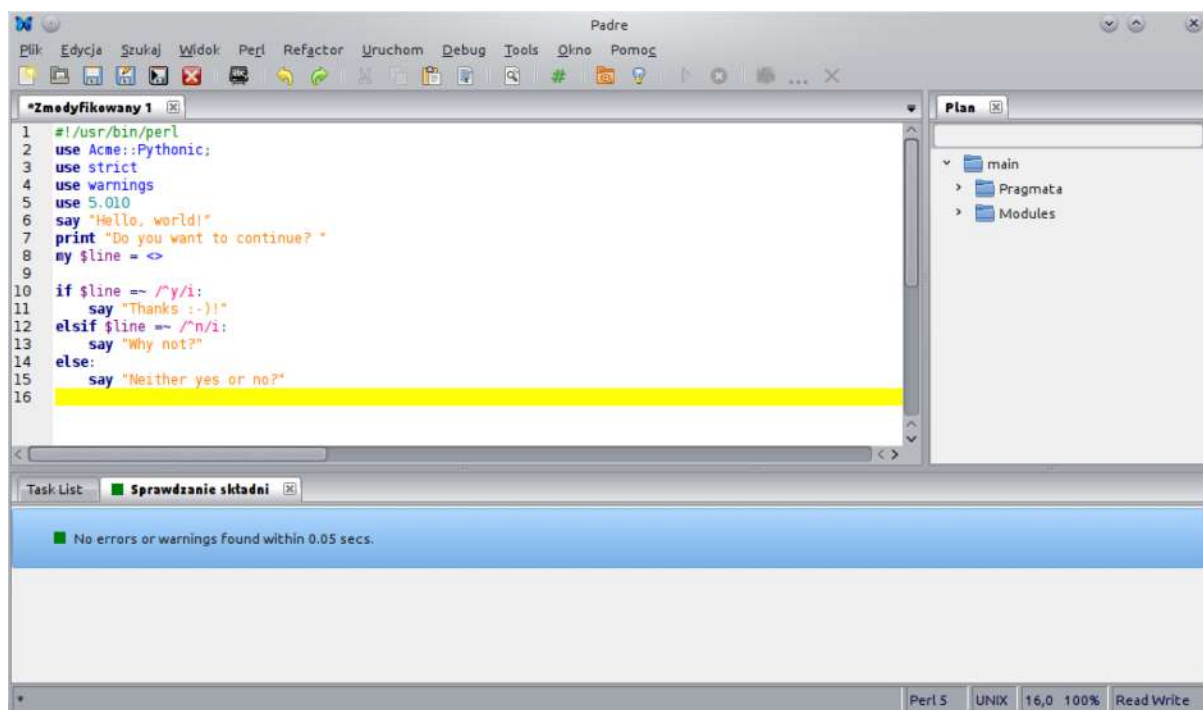
Disk Space – upto 300MB or greater.

Processor – Dual Core or greater.

Download and install from the Link below: -

<http://padre.perlide.org/download.html> (Windows, Linux)

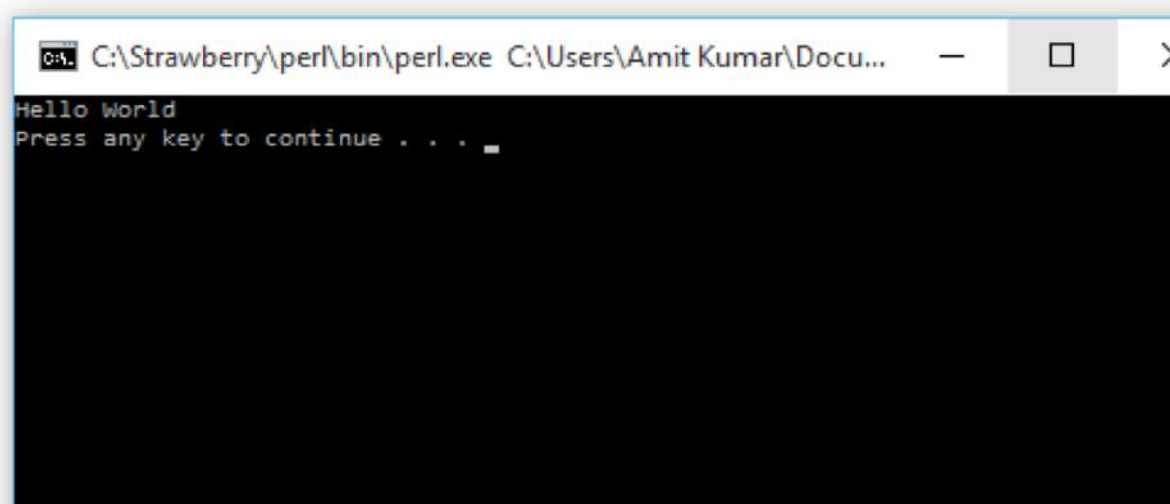
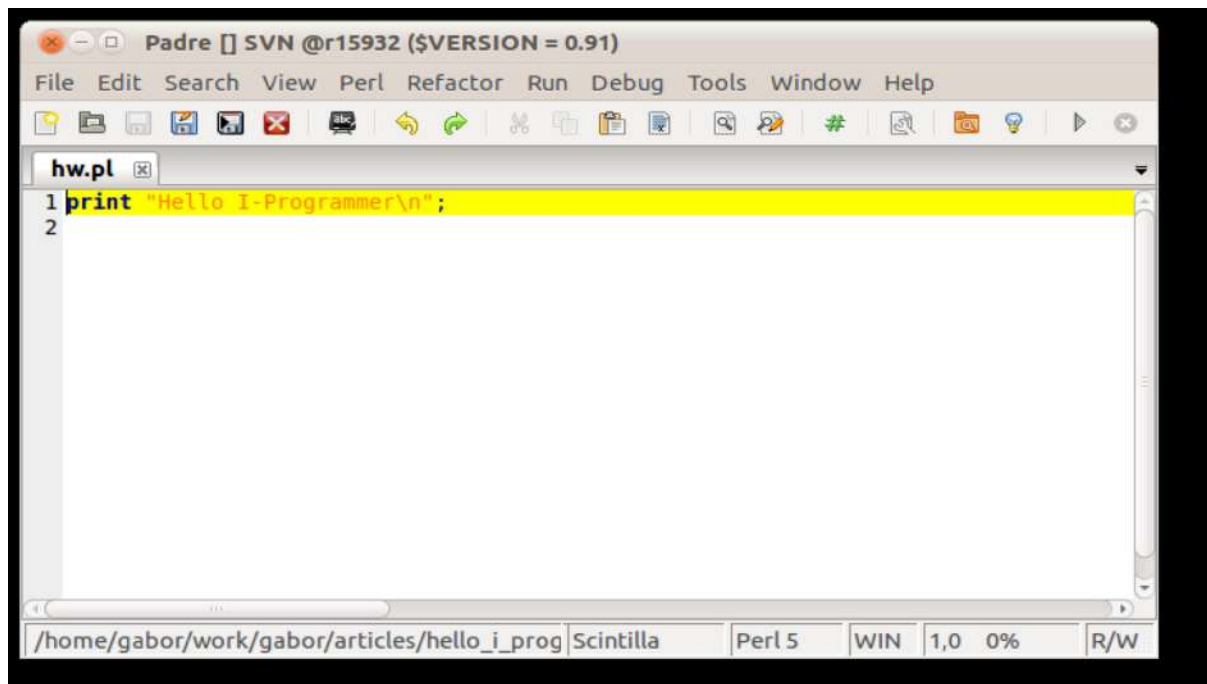
<http://www.citrusperl.com/download.html> (Windows, Linux, MacOS)



Padre IDE running in Kubuntu Linux

Building and executing the Program: -

1. Click on "File" and the "New..." and "Perl 5 script"
2. Type in your code `print "Hello world\n";` at the bottom of the file
3. Save the file as `hello.pl`
4. Click on "Run" and "Run script"
5. A black window should be displayed and inside that window the text "Hello world".
6. You should close the window by clicking on the [x] though it will disappear after 1000 secs.



CodeRunner IDE: -

An advanced, highly flexible, and easy-to-use **programming editor for your Mac**. CodeRunner supports a large number of languages, and delivers big IDE features while remaining lightweight and clutter-free.

System Requirements: -

Mac OS – 10.7+ (latest version preferred).

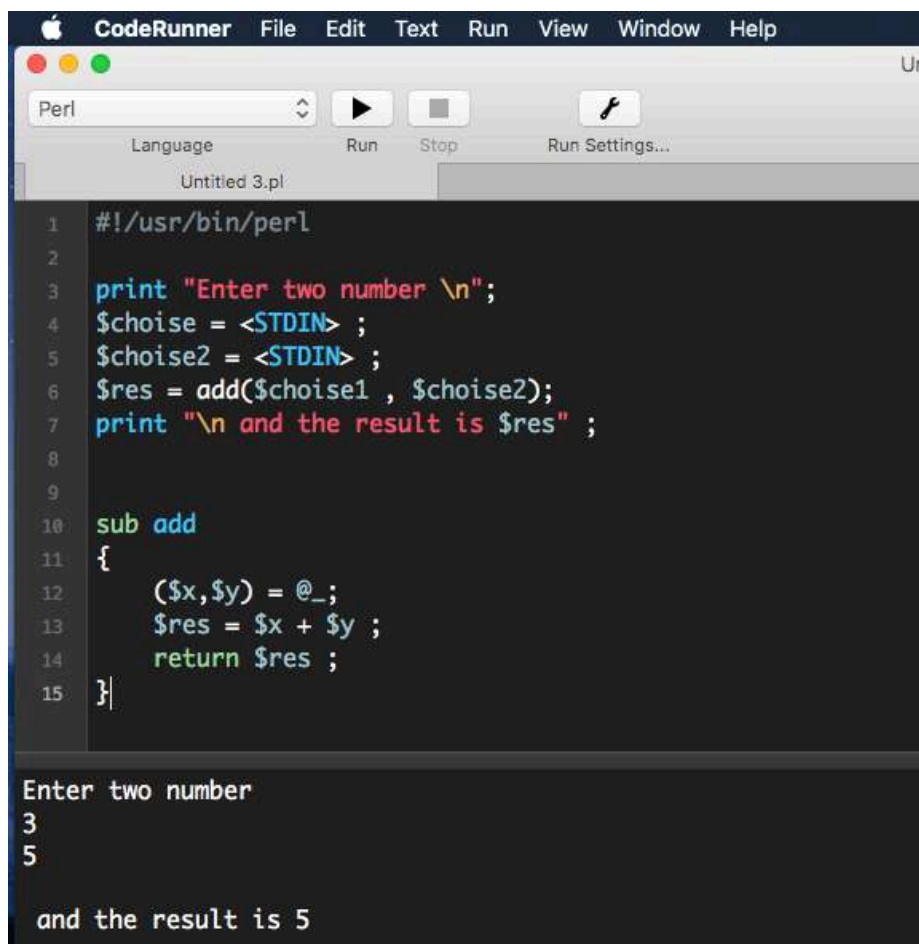
Xcode (latest version preferred).

Xcode Command Line Tools.

Note: - Though it is a paid software , it is also available as a Trial Software.

Building and Executing the Perl Program: -

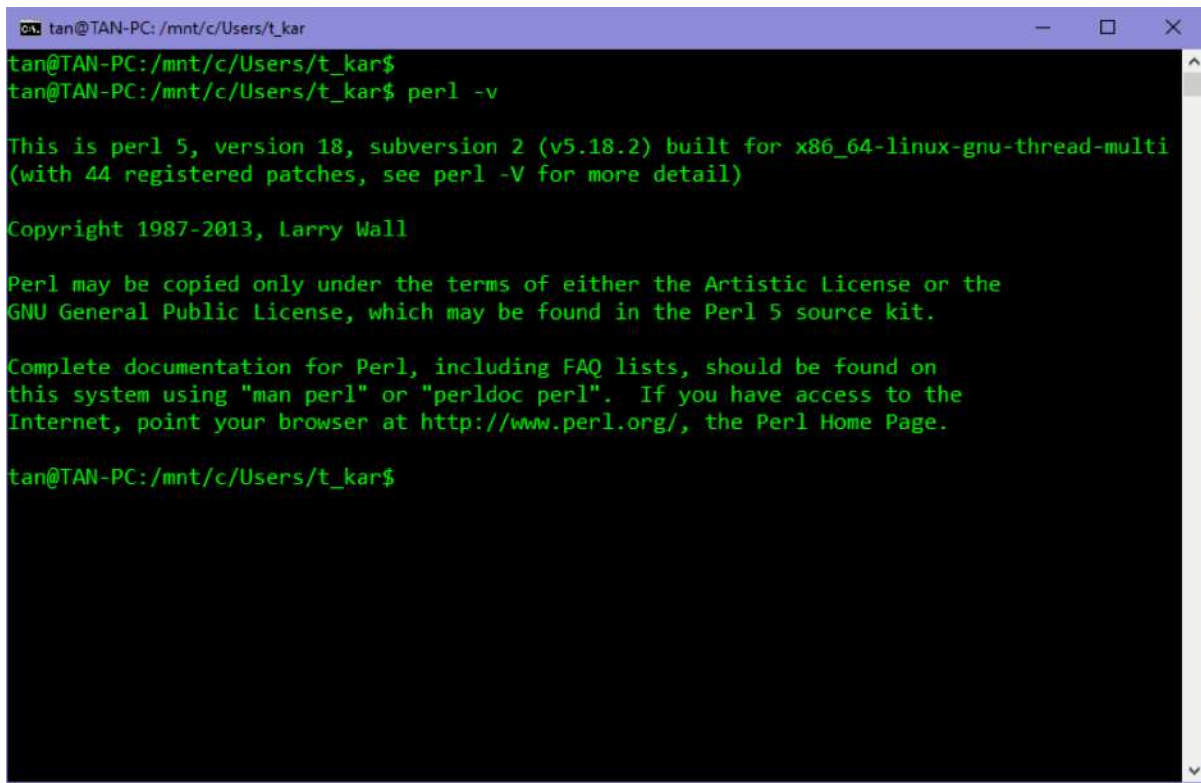
Create New Program as File -> New -> Select Programming Language(Perl).



```
CodeRunner File Edit Text Run View Window Help
Perl
Language Run Stop Run Settings...
Untitled 3.pl
1 #!/usr/bin/perl
2
3 print "Enter two number \n";
4 $choise = <STDIN> ;
5 $choise2 = <STDIN> ;
6 $res = add($choise1 , $choise2);
7 print "\n and the result is $res" ;
8
9
10 sub add
11 {
12     ($x,$y) = @_;
13     $res = $x + $y ;
14     return $res ;
15 }
Enter two number
3
5
and the result is 5
```

Expert User: -

Expert Users prefer to use the command line interface over the GUI.



```
tan@TAN-PC: /mnt/c/Users/t_kar
tan@TAN-PC:/mnt/c/Users/t_kar$ perl -v
This is perl 5, version 18, subversion 2 (v5.18.2) built for x86_64-linux-gnu-thread-multi
(with 44 registered patches, see perl -V for more detail)

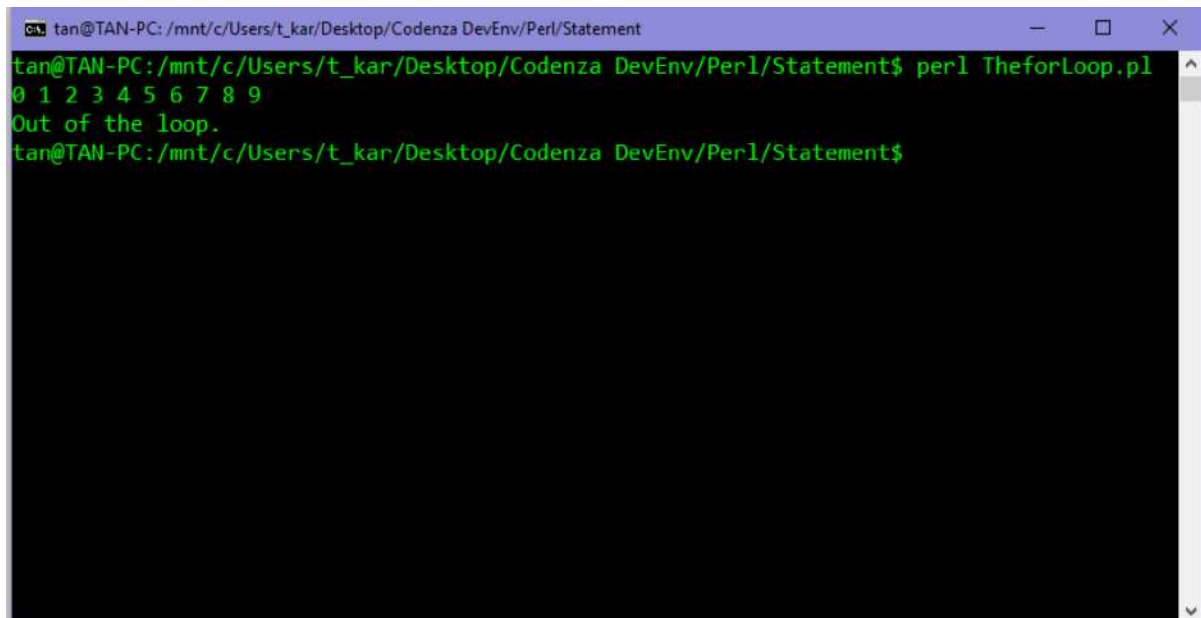
Copyright 1987-2013, Larry Wall

Perl may be copied only under the terms of either the Artistic License or the
GNU General Public License, which may be found in the Perl 5 source kit.

Complete documentation for Perl, including FAQ lists, should be found on
this system using "man perl" or "perldoc perl".  If you have access to the
Internet, point your browser at http://www.perl.org/, the Perl Home Page.

tan@TAN-PC:/mnt/c/Users/t_kar$
```

Check Perl Version



```
tan@TAN-PC: /mnt/c/Users/t_kar/Desktop/Codenza DevEnv/Perl/Statement
tan@TAN-PC:/mnt/c/Users/t_kar/Desktop/Codenza DevEnv/Perl/Statement$ perl TheforLoop.pl
0 1 2 3 4 5 6 7 8 9
Out of the loop.
tan@TAN-PC:/mnt/c/Users/t_kar/Desktop/Codenza DevEnv/Perl/Statement$
```

Execute Perl program from Command Line