Assignmente Larguages Help Handouts

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Contents

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Invocation Arguments

Options

I/O Connections

- Perl programs interact with their environment via I/O connections
- A filehandle is the name in a Perl program for such an I/O connection, Set Shandle Project Exam Help Beware. Despite the terminology, no files might be involved
 - There a

| STD 6 | ps://eduassistpro.githul | h |
|----------|---|----------|
| STD | ips.//eduassisipio.gitiidi | J. |
| STDERR | Standard Error, for error output, | |
| A | typically defaults to the terminal | |
| DATA | I dut Where de de tredu assist | D |
| | Perl program | • |
| ARGV | Iterates over command-line filenames in @ARGV | |
| ARGVOUT | Points to the currently open output file when doing edit- | |
| | in-place processing with -i | |
| | perl -pi -e 's/cat/dog/' file | |

I/O Connections

Except for the six predefined I/O connections, all other I/O connections

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- should be closed once no longer needed clos
- can behttps://eduassistpro.github.
- can be used to write to print Achde Wie Chat edu_assist_printf filehandle list
- can be selected as default output select *filehandle*

I/O Connections

Example:

oldtext. Axt: dd. WeChatedu_assist_properties and drender chatedu_assist_properties and drender chatedu.

newtext.txt:

41 degrees Celcius is quite warm

Opening a filehandle

```
open filehandle, expr
open filehandle, mode, expr
```

Sperison American Prisid perce a Example Herito

- expr
- mode https://eduassistpro.github.
 - read file < >
 - eChat edu_assist_pr >>
 - read/write file +<
 - read/write file +> yes yes
 - read/append file +>> yes
 - write to command yes read from command yes

Closing a filehandle

close

close filehandle
SSIEGIAMENT Indeligated to Fernandia Help filehandle

- Retur
- Close https://eduassistpro.github.

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Reading

```
<filehandle>
```

- In a scalar context, returns a string consisting of all characters from SSAGMAN TEMPLE FOR EXAM HELP (the input record separator)
- In a list co

```
of fi (Defa https://eduassistpro.github.
```

```
open INPUT, "<", "oldtext.txt" or die "Cannotuopenufile";

sfirst line = <INPUT>;

while Action live = (INPUT) at edu_assist_processing to the close INPUT;

open LS, "-|", "lsu-1";
```

7 Ofiles = <LS>;
8 close LS;

9 foreach \$file (@files) { ... }

Selecting a filehandle as default output

```
Select filehandle

Assignmented, Retriective Total Malue p

output

wr

Retur https://eduassistpro.github.
```

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Printing

```
Arstignment Project Exam Help
```

- Print a s
- : If fill https://eduassistpro.github.
- The current value of \$, (if any) is printed bet em
- The current value of the charter of the current value of the charter of the current value of the charter of t

(Default: undef)

Printing: Formatting

```
sprintf(format, list)
```

Returns a string formatted by the usual printf conventions of the C

Spring (%10.3f) " 1234.5678

```
and punttps://eduassistpro.github.
```

See http://did.ldwperChatcedu_assist_profurther details

Printing: Formatting

```
printf filehandle format, list

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print filehandle sprintf (format, list)

excep
```

Print

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Printing: Formatting

Format strings can be stored in variables and can be constructed on-the-fly:

ssignment. Project. Exam Help printf \$format, @list;

Output:

The itentites://eduassistpro.github. dino

pebbles

(The code above uses the quote word function u_assist_pr

to generate a list of words.

See http://perlmeme.org/howtos/perlfunc/qw_function.html for details)

Here documents

 A here document is a way of specifying multi-line strings in a scripting or programming language

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here docu identi

https://eduassistpro.github.

- here document ends
- or backing WeChatedu_assist_producted identifier works like a double-quoted o
- The here document starts on the following line
- The terminating string *identifier* must appear by itself (unquoted and with no surrounding whitespace) after the last line of the here document

Here documents: Double-quotes

```
$title = "My_HTML_document"
print <<"END";</pre>
Content-type: text/html
The double-quotes in "END"

SSIP SIMMENT Project die La Mery In Lete

tween the opening "END" and
<HEADER > <TITLE > $title </TITLE > </HEADER >
                                                         should be
<BODY>
Lots https://eduassistpro.github.
</HTML>
END
Content-type: Add WeChat edu_assist_pr
<HTML>
<HEADER><TITLE>My HTML document</TITLE></HEADER>
<BODY>
  <H1>My HTML document </H1>
  Lots of HTML markup here
</BODY>
```

</HTML>

Here documents: Single-quotes

```
$title = "My_HTML_document"
 print <<'END';</pre>
ssignment Project Exam Help
  <!DOCTYPE html>
 <HTML><HE
 <BODY > < / B
                                        https://eduassistpro.github.
END should be treated like a single-quoted string
no variable interpolation is applied that edu_assist_product in the below that edu_assist_production is applied that edu_assist_production is applied to the control of the
 Content-type: text/html
  <!DOCTYPE html>
 <HTML><HEADER><TITLE>$title</TITLE></HEADER>
 <BODY></BODY></HTML>
```

END

Here documents: Backticks

```
$command = "ls";
print << 'END';</pre>
Assignment Project Exam Help
The backticks in 'END' tell Perl to run the here document as a shell script
(with the h
handout https://eduassistpro.github.
handouts.pdf
handouts.tex
     Add WeChat edu_assist_pr
```

<! DOCTYPE ht

</HTML>

Here documents: Variables

Here documents can be assigned to variables and manipulated using string operations

```
Assignment Project Exam Help
```

```
**HTML><HE HEADER https://eduassistpro.github.

*body = <<"BODY";

<BODY>

<hr/>
<hr/>
Lots of Httld markup echat edu_assist_procedure.

</BODY>
```

print \$html;
COMP284 Scripting Languages

\$html = \$header.\$body;

Invocation Arguments

• Another way to provide input to a Perl program are invocation arguments (command-line arguments)

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 The invocation arguments given to a Perl program are stored in the specia

```
perl https://eduassistpro.github.

for ($index=0; $index <= $#ARGV; $index++) {
    print "Argument_$index:__$ARGV[$index],"\n";
}

Add WeChat edu_assist_production
./perl_program1 ada 'bob' 2
```

Output:

Number of arguments: 3 Argument 0: ada Argument 1: bob

Options

 There are various Perl modules that make it easier to process command-line options

- Assignment in Project Exam Help
 One such module is Getopt::Long:
 - http
 - : The matter than the control of the
 - **QARGV** according to an option specification
 - Arguments that do not fit to the option specificatio assist_property of cardy and bedu_assist_property.

Options: Example

```
perl_program2:
use Getopt::Long;
```

Avs stignment Project Exam Help

https://eduassistpro.github.

./perl_program2 --scale=5 --file='image.png' arg1 arg2

Debug: 0; Scale: 5; File: image.png Number of arguments: 2 Arguments: arg1, arg2

Revision

Read

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R. L. Shittps://eduassistpro.github.

O'Reilly, 2011.

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- http://perldoc.perl.org/perlop.
- http://perldoc.perl.org/perlop.html#Quote-Like-Operators
- http://perldoc.perl.org/Getopt/Long.html