

CGI Perl Interview Questions And Answers Guide.



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CGI Perl Job Interview Preparation Guide.

Question # 1

Try pattern matching for the following:

- 1) 10.111.23.11
- 2) /root/abc/cde/fgg/ac.xml --> Get file name without extension.
- 3) /root/abc/ac.xml/fgg/ac.xml --> Get file name without extension.
- 4) What does "DIE" meant in PERL?
- 5) chomp
- 6) "This is saturday" --> Print the weekday number.
- 7) 11-2-2009 --> Print the name of the month.
- 8) Reverse the string without using func in C.?

Answer:-

```
my $str="This is testing of string reverse";
print scalar reverse $s
chomp is used to remove the trailing new line.
If we give chomp list then it will remove the trailing new
line in all the elements of the list.
die function is used for handling the errors in Perl.
It terminates the program immediately after printing the
message passed to the die function.
die("testing of die");
It will print the message "testing of die" on screen and
terminates the program.
Pattern Matching
-----
```

```
[code]
my $str="10.111.23.11";
my $file="/root/abc/cde/fgg/ac.xml";
my $file1="/root/abc/ac.xml/fgg/ac.xml";
if($str=~/[0-9]{2}\.[0-9]{3}\.[0-9]{2}\.[0-9]{2}/)
{
    print "Pattern $& get matched
";
}
if($file1=~s/(.*)/(.*)/(.*)/$2/)
{
    print "File Name is $file1
";
}
print strftime("%B",0,0,0,11,2-1,2009);
[/code]
```

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Question # 2

What is the difference between having a parenthesis after module name and without parenthesis after module name?
i.e Package::Module();
and Package::Module;

Answer:-

Package::Module(); This will throw as error,
I think,the question should be as: What is the difference
between,
Package::MyModule qw(); # FIRST
and
Package::MyModule; # SECOND
FIRST :- This will not import any subroutine from MyModule.
SECOND :- This will import all the subroutine from the
MyModule.



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Question # 3

Write an expression or Perl script to identify the entered IP address is valid or not?

Answer:-

```
#!/usr/bin/perl
use strict;
#- Use Input
#-----
my $ip_add = "";
#- Script start
#-----
print "Enter the IP address\n";
$ip_add = <STDIN>;
chomp($ip_add); # Remove the last "
" character
$ip_add=$ip_add."."; # Append . at the end of IP address
#-----Expression to check IP address is valid or not-----#
if($ip_add =~ m/^[0-2]?[0-5]?[0-5]?.{4}$){
    print " Valid IP Address\n";
}else{
    print " Invalid IP Address\n";
}
```

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Question # 4

How to sort dates in Perl?

Answer:-

Example

```
-----
use Data::Dumper;
my @dates = ( "02/11/2009" , "20/12/2001" , "21/11/2010" );
@dates = sort { join( " , (split '/', $a)[2,1,0] ) cmp
join( " , (split '/', $b)[2,1,0] ) } @dates;
print Dumper @dates;
```

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Question # 5

How to find a substring in a string without using substr built in functions, and print the substring found?

Answer:-

```
$r="YASHWANTH";
@n=split (//,$r);
print "@n\n";
@t=splice(@n,0,3);
print "@t\n";
$r=join("",@t);
print "$r\n";
~
~
```

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Question # 6

Difference between Perl and Mod_perl?

Answer:-

Perl is a language and MOD_PERL is a module of Apache used to enhance the performance of the application.

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Question # 7

Why we use "use lib \$path"?

Answer:-

If we are trying to add a module or library files in our program using require or use statement then it will search that module or library files in the Perl's default search path. The statement use lib is used to add the directories to



default search path.

So if the module or library file is not located in the Perl's default search path then it will find the library files in the path we have given with the use lib \$path.

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Question # 8

Packing and Unpacking.

Hi, I want to get output as 0x23400000345....

in the below example How to get?

i tried out, but unable to get the answer

```
$r=0x234;
$t=0x345;
$y=pack(L L,$t,$r);
$x1=unpack(L!,pack(P,$y));
printf("
The value is $x1");
I didnt get constant output?
```

Answer:-

use the following code.

```
<code>
use bigint;
my $r = 0x234;
my $t = 0x345;
my $x1 = $r << 32 | $t;
print $x1->as_hex;
</code>
```

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Question # 9

Sort a word "system" in perl/shell without using built in functions output should be emssty?

Answer:-

```
#!/usr/bin/perl
my $word = $ARGV[0];
$sortword = "";
$lastchar = "";
while($word =~ /(.)g)
{
    $lastchar = $1;
    if( $sortword ) {
        $flag = "";
        $newsortword = "";
        while($sortword =~ /(.)g) {
            if( $lastchar gt $1 || $flag
eq "charcovered") {

                $newsortword =
$newsortword.$1;
                $flag = "greater" if($flag
ne "charcovered")
            }
            else {
                $newsortword =
$newsortword.$lastchar.$1;
                $flag = "charcovered";
            }
        }
        if( $flag ne "charcovered" ) {
            $newsortword =
$newsortword.$lastchar;
        }

        $sortword = $newsortword;
    }
    else {
        $sortword = $lastchar;
    }
}
print $sortword."
";
```

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Question # 10

Write a Perl script to find a particular word in a paragraph?

Answer:-

[code]



my \$pat;
\$pat='Using push we can add multiple items into an array in a single instance.

If we are trying to add a module or library files in our program using require or use statement then it will search that module or library files in the Perl's default search path.

The statement use lib is used to add the directories to default search path.

So if the module or library file is not located in the Perl's default search path then it will find the library files in the path we have given with the use lib \$path.;

```
    if($pat=~ /push/)
    {
        print "Pattern push get matched\n";
    }
[/code]
```

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Question # 11

Write a perl script to find whether a given line of text is starting and ending with same word or not?

Answer:-

Lets assume that the text to match is present in a file say "data.txt".

Following program will print the line containing same starting and ending word.

```
open(FILE,"data.txt") or die "cannot open file : $!";
while(<FILE>) {
    if($_ =~ /^(w+)s+.*? $/) {
        print "the line is $_\n";
    }
}
```

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Question # 12

What is caller function in perl?

Answer:-

```
print caller;
```

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Question # 13

Write a script to generate n prime no.s?

Answer:-

```
#!/c:perl inperl
$Count = 0;
$pt = 2;
while ( $Count < @ARGV[0] )
{
    if (isPrimary($pt))
    {
        print "$pt\n";
        $Count++;
    }
    $pt++;
}
sub isPrimary
{
    $flag = 1;
    for ($i=2; $i<= $_[0]/2; $i++)
    {
        if ($_[0] % $i == 0)
        {
            $flag = 0;
        }
    }
    return $flag;
}
```

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Question # 14



Why do you use only Perl when there are a lot of more languages available in the market like C, Java?

Answer:-

Compared to other C and Java, Perl is having strong regular expression concepts so data extraction will be easier and compilation will be faster too.

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Question # 15

What is the meaning of rigging?

Answer:-

Rigging is used if we want to give animation for any object or character then we apply to character or object internal bone setting (like our bones). That is called rigging. When we apply rigging, then we can give proper animation.

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Question # 16

Write a script to reverse a string without using Perl's built-in function?

Answer:-

```
my $i;
my $str="hello";
my @str=split("",$str);
for($i=$#str;$i>=0;$i--)
{
    print $str[$i];
}
```

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Question # 17

How to make the following assignment, as array reference assignment?

```
my $arr_ref=[1,2,3,4,elem];
```

Answer:-

```
my $ref=[1,2,3,4];
print ref $ref;
ref will return the type of reference.
In this case ref will return as 'ARRAY'.
```

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Question # 18

Write a script to display mirror image of an entered value and also check whether it is a Palindrome?

Answer:-

```
print("Enter the no. to check for Palindrome : ");
$no = <STDIN>;
chop($no);
$i = 0;
# Store into an array
while($no != 0)
{
    @array[$i] = $no % 10;
    $no = int($no / 10);
    $i++;
}
$j=0;
$flag = "true";
# Check for Palindrome
while( ($flag eq "true") && ($j < @array/2) ){
    if (@array[$j] != @array[$i])
    {
        $flag = "false"
    }
    $i--;
    $j++;
}
# Print the result
if( $flag eq "true")
{
    print("It is a Palindrome\n");
}
else
```



```
{  
print("It is NOT a Palindrome  
");  
}
```

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