STRAWBERRY PERL FOREVER

Description:

"When I'm in Windows, I use strawberry Perl" -- Larry Wall

Hash.txt

```
Generated at 21:55-22:00 CST on 12/17/24
SHA2 - 256 64 rounds

00ac7414402727fdf04c16b5dd7eb54533f459ff1943905e3e3143388e9460da
```

customFlagGen.pl

```perl
#!/usr/bin/perl
use strict;
use warnings;

# Welcome message
print "Generating a super random CTF flag";

# Get the current time as a seed
my $seed = time;

# Seed the random number generator
srand($seed);

# Define a function to generate a super dupper advanced and secure random string
sub random_string {
    my ($length) = @_;
    my @chars = ('a'..'z', 'A'..'Z', '0'..'9');
    my $random_string = '';

    for (1..$length) {
        $random_string .= $chars[int(rand(@chars))];
    }

    return $random_string;
}

# Generate the flag
my $flag = "STOUTCTF{" . random_string(16) . "}";

# Print the generated flag
print "Generated Flag: $flag\n";
```

```
$ cat hash.txt
Generated at 21:55-22:00 CST on 12/17/24
SHA2 - 256 64 rounds

00ac7414402727fdf04c16b5dd7eb54533f459ff1943905e3e3143388e9460da
```

Given:

- Start Time: 21:55 CST on 12/17/24

- End Time: 22:00 CST on 12/17/24

Correct Conversion (CST -> UTC):

1. 21:55 CST → 1734515700 (UNIX time)

2. 22:00 CST → 1734516000 (UNIX time)

Script (Perl)

```perl
#!/usr/bin/perl
use strict;
use warnings;
use Digest::SHA qw(sha256_hex);

my $target_hash =
"00ac7414402727fdf04c16b5dd7eb54533f459ff1943905e3e3143388e9460da";

my $start_time = 1734515700; # 21:55 CST
my $end_time = 1734516000;    # 22:00 CST

sub random_string {
    my ($seed, $length) = @_;
    srand($seed);
    my @chars = ('a'..'z', 'A'..'Z', '0'..'9');
    my $random_string = '';
    for (1..$length) {
        $random_string .= $chars[int(rand(@chars))];
    }
    return $random_string;
}

for my $seed ($start_time..$end_time) {
    my $random_str = random_string($seed, 16);
    my $flag = "STOUTCTF{" . $random_str . "}";

    my $hash = $flag;
    for (0..65) {
        $hash = sha256_hex($hash);
        if ($hash eq $target_hash) {
            print "$flag\n";
            last;
        }
    }
}
```

Flag	STOUTCTF{aRWkZtmhfuFE0JlB}