

Nama : Muhammad Hargi Muttaqin

NIM : 191524027

D4-2A

1. Using appropriate array access and join functions construct the following strings and store these in a single variable and print to screen:

Hasil :

```
C:\Users\Hargi\Documents\Tugas Kuliah\semester 3\Prinsip Bahasa Pemrograman\Program\Perl>perl no1.pl
1.the quick fox jumps over the dog
2.the brown fox runs away
3.the lazy dog runs
4.the dog runs away quick
5.the quick brown dog runs over the lazy fox
C:\Users\Hargi\Documents\Tugas Kuliah\semester 3\Prinsip Bahasa Pemrograman\Program\Perl>
```

Code :

```
1 use strict;
2 my @array = qw( the quick brown fox jumps over the lazy dog and runs away );
3 print "1.";
4 print "@array[0,1,3..6,8]\n";
5 print "2.";
6 print "@array[0,2,3,10,11]\n";
7 print "3.";
8 print "@array[0,7,8,10]\n";
9 print "4.";
10 print "@array[0,8,10,11,1] \n";
11 print "5.";
12 print "@array[0..2,8,10,5..7,3]";
```

2. Create a 2d array of people :

Hasil :

```
C:\Users\Hargi\Documents\Tugas Kuliah\semester 3\Prinsip Bahasa Pemrograman\Program\Perl>perl no2.pl
matrix :
ClarkKentSuperman
LoisLaneReporter
JimmyOlsenPhotographer
JimmyOlsenPhotographer
C:\Users\Hargi\Documents\Tugas Kuliah\semester 3\Prinsip Bahasa Pemrograman\Program\Perl>
```

Code :

```
1 use strict;
2
3 my @people = ([ "Clark", "Kent"], [ "Lois", "Lane"], [ "Bruce", "Wayne"]);
4 my $xarray = @people[0];
5 push (@{$xarray}, ("Superman"));
6
7 pop(@people);
8
9 #menambah array ke 1 bagian akhir
10 $people[1][2] = "Reporter";
11
12 #menambah array ke 2
13 $people[2][0] = "Jimmy";
14 $people[2][1] = "Olsen";
15 $people[2][2] = "Photographer";
16
17 print "matrix :\n";
18 foreach(@people){
19     print join(" ",@{$_}),"\n";
20 }
21 foreach(@people[-1]){
22     print join(" ",@{$_});
23 }
```

Nama : Muhammad Hargi Muttaqin

NIM : 191524027

D4-2A

## B. Exercise : Nested And Compound If statement

1.

Hasil :

```
C:\Users\Hargi\Documents\Tugas Kuliah\semester 3\Prinsip Bahasa Pemrograman\Program\Perl>perl no3.pl
Masukan x:3.0
Masukan y:3.0
x lebih kecil dari 5 dan y lebih kecil dari 5
C:\Users\Hargi\Documents\Tugas Kuliah\semester 3\Prinsip Bahasa Pemrograman\Program\Perl>
```

Code :

```
1  use strict;
2  my $x = 5.1;
3  my $y = 5.1;
4  print "Masukan x:";
5  my $x = <STDIN>;
6  print "Masukan y:";
7  my $y = <STDIN>;
8  if ($x < 5.0){
9      if ($y < 5.0){
10         print "x lebih kecil dari 5 dan y lebih kecil dari 5";
11     }
12     if ($y > 5.0){
13         print "x lebih kecil dari 5 dan y lebih besar dari 5";
14     }
15 }
16 if ($x > 5.0){
17     if ($y < 5.0){
18         print "x lebih besar dari 5 dan y lebih kecil dari 5";
19     }
20     if ($y > 5.0){
21         print "x lebih besar dari 5 dan y lebih besar dari 5";
22     }
23 }
```

2.

Hasil :

```
C:\Users\Hargi\Documents\Tugas Kuliah\semester 3\Prinsip Bahasa Pemrograman\Program\Perl>perl no3.pl
Masukan salary:10000000
Masukan bonus:1000000
YOU'RE BANKER WITH A BIG BONUS, YOU'RE BUYING DINNER TONIGHT
C:\Users\Hargi\Documents\Tugas Kuliah\semester 3\Prinsip Bahasa Pemrograman\Program\Perl>
```

Code :

Nama : Muhammad Hargi Muttaqin

NIM : 191524027

D4-2A

```
1  use strict;
2  my $salary = 100000;
3  my $bonus = 100000;
4  print "Masukan salary:";
5  my $salary = <STDIN>;
6  print "Masukan bonus:";
7  my $bonus = <STDIN>;
8  if ($salary < 100000){
9      if ($bonus < 100000){
10         print "YOU'RE NOT A BANKER";
11     }
12     if ($bonus > 100000){
13         print "YOU WON THE LOTTERY, YOU'RE BUYING DINNER TONIGHT";
14     }
15 }
16 if ($salary>100000){
17     if ($bonus < 100000){
18         print "YOU'RE BANKER WINTH NO BONUS, YOU'RE BUYING DINNER TONIGHT";
19     }
20     if ($bonus > 100000){
21         print "YOU'RE BANKER WITH A BIG BONUS, YOU'RE BUYING DINNER TONIGHT";
22     }
23 }
```