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1. Write a program in Perl to display the second & fifth element of a list that contains ten numbers.

Code:

```
@numbers = (10,20,30,40,5,60,70,8,9,0);

print "$numbers[1]\n";

print "$numbers[4]";
```

Output:

20

5

2. Write a program in Perl to display a list of number from 1 to 100.

Code:

```
my @a=(1..100);

for $i (@a)

{

print("$i ");

}
```

Output:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 3 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 7 9 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

3. Write a program in Perl to display the sixth element of an array of ten numbers.

Code:

```
@numbers = (410,411,412,414,415,416,417,418,419,420);

print "$numbers[5]\n";
```

Output:

415

4. Write a program in Perl to display the third last and the second last element of an array.

Code:

```
@numbers = (1,2,3,4,5,6,7,80,999,100);

$size=@numbers;

print "Third last: $numbers[$size-3]\n";

print "Second last: $numbers[$size-2]";
```

Output:

Third last: 80

Second last: 999

5. Write a program in Perl to display the number of elements in an array.

Code:

```
@numbers = (0,1,2,3,4,5,6,7,8,9,10);

$size=@numbers;

print "Number of elements: $size";
```

Output:

Number of elements: 11

6. Write a program in Perl to change the third, fourth, and fifth elements of an array.

Code:

```
@numbers = (11,2,3,4,5,6,7,8,9,0);

print "Original array: @numbers";

$numbers[2]=30;

$numbers[3]=140;

$numbers[4]=255;

print "\nChanged array: @numbers";
```

Output:

Original array: 11 2 3 4 5 6 7 8 9 0

Changed array: 11 2 30 140 255 6 7 8 9 0

7. Write a program in Perl to create an array to implement a stack and also perform the push & pop operations.

Code:

```
@numbers = (1,2,3);

print "initial array: @numbers";

push (@numbers, 10,11,120);

print "\nAfter push: @numbers";

print "\nValue returned after pop: ",pop(@numbers);
```

Output:

initial array: 1 2 3

After push: 1 2 3 10 11 120

Value returned after pop: 120