

1. Given an integer n , create a program that will find its smallest exact divisor. Use two subroutines. The first subroutine will ask the user for a number. The second subroutine will find the smallest divisor and return it. Print the smallest divisor out to the screen.

2. Write a program that uses a subroutine to create an array using the code snippet below.

```
foreach (1..100) {  
    @randomNumbers[$_] = int (rand (100));  
}
```

The subroutine should return the array.

Sort the array.

Print the array values out to the screen.

Pass the array to a second subroutine that removes any duplicate values from the array.

Print out the array again.

HINT # 1: What operator did we go over that operates in the middle of an array?

HINT # 2: If you pass an array as the only argument to a subroutine, the @_ argument list in the subroutine will be identical to the array you passed.