

## Computer Science Club

**2015 – 2016**

**Directions:** Create a program that continually calculates powers. After a power is calculated, it becomes the base for the next exponent.

Use the program to solve:  $((2^2)^3)^2$

### Sample Printout)

```
Enter base: 2
Enter exponent: 2
2^2 = 4
Enter exponent: 2
4^2 = 16
Enter exponent:
```