



# CMSC131 Lab

Sections 0108 or 0109



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OH: Tue. 6-7pm



# Program 1: Even Numbers in Range

1. Read two numbers **a** and **b** from the console.
2. Print all the even numbers in the range from **a** to **b**.
3. Repeat.

```
Enter a range: 3 10
```

```
4 6 8 10
```

```
Enter a range: 6 23
```

```
6 8 10 12 14 16 18 20 22
```

# Program 2: Rectangle

1. Read a character, a length, and a width from the console.
2. Print a length×width rectangle of those characters.

```
Enter a character: #  
Enter length and width: 15 3  
#####  
#####  
#####
```

# Program 3: Left Triangle

1. Read a height for the triangle.
2. Print a left-slanted triangle with that height.

```
Enter a height for the triangle: 5
```

```
*
```

```
**
```

```
***
```

```
****
```

```
*****
```

# Program 4: Right Triangle

1. Read a height for the triangle.
2. Print a right-slanted triangle with that height.

```
Enter a height for the triangle: 5
```

```
  *  
 **  
***  
****  
*****
```

# Program 5: Alternating Triangle

1. Read a height for the triangle.
2. Print a right-slanted triangle with that height, alternating the symbols used..

```
Enter a height for the triangle: 4
```

```
 *
```

```
##
```

```
***
```

```
####
```



# Office Hours

