

$$/^{*}$$

This program will take the sum of integers 1 through 10

****/***

{

 $\{$

}

}

55

/*

This program will print my name in large letters with asterisks

****/***

{

{

```
System.out.println("* * * * *");
```

```
System.out.println(" *** ***** **      ***      * ");
```

```
System.out.println("  * *   * * *   *   * ");
```

```
System.out.println(" * * * * * ");
```

```
System.out.println(" *** * * * * ***** * ");
```

}

```
}
```

```
PS C:\Users\saket\JAVA\ChapterAssignments> javac .\PracticeExercisesCh1E6.java
PS C:\Users\saket\JAVA\ChapterAssignments> java PracticeExercisesCh1E6
```

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

Exercise 1.11

```
/*
```

```
    Saket Bakshi
    Period 6
    8/29/18
```

This program will print out three movie titles on three separate lines

```
*/
```

```
public class PracticeExercisesCh1E11
```

```
{
```

```
    public static void main(String[] args)
```

```
    {
```

```
        System.out.println("Batman Begins \nThe Dark Knight \nThe Dark Knight Rises");
```

```
    } // \n makes a new line in the same line of code
```

```
}
```

```
PS C:\Users\saket\JAVA\ChapterAssignments> javac .\PracticeExercisesCh1E11.java
PS C:\Users\saket\JAVA\ChapterAssignments> java PracticeExercisesCh1E11
Batman Begins
The Dark Knight
The Dark Knight Rises
```

Project 1.5

```
/*
```

```
    Saket Bakshi
    Period 6
    8/29/18
```

This algorithm will make a custom tile pattern of black and white tiles with a black tile border and two or three black tiles in the center, all equally spaced from the border.

Algorithm:

1. Ask for W, the width of the pattern and H, the height of the pattern
2. On the first line, make W black tiles
3. Move to the next line

- a. If H is 1, the pattern is complete
 - b. If H is 2, make W black tiles on the second line and the pattern is complete
- 4. Else, create H-2 Middle Lines
 - a. Method: Middle Lines
 - i. Put a black tile, put white tiles for W-2 spaces, and put another black tile
- 5. Go to the next line and make W black tiles
- 6. Make the center tiles
 - a. Method: Make the center tiles
 - i. If H is odd, divide H by two and round up. Go to that row.
 - 1. If W is odd, divide W by two and round up. Go to that spot in the row and replace the white tile with a black tile. The pattern is complete.
 - 2. Else, if W is even, replace the white tiles at $\frac{W}{2}$ and $\frac{W}{2} - 1$ with black tiles. The pattern is complete.
 - ii. Else, if H is even, do the following to the $\frac{W}{2}$ and $\frac{W}{2} - 1$ rows
 - 1. If W is odd, divide W by two and round up. Go to that spot in the rows and replace the white tile with a black tile for both rows. The pattern is complete.
 - 2. Else, if W is even, replace the white tiles at $\frac{W}{2}$ and $\frac{W}{2} - 1$ with black tiles for both rows. The pattern is complete.

*/