# Assignment 6 - Part 2.2 – Miles

Ryan Brinson

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Output:

```
rbrinson2@DESKTOP-U8KJ4OP:~/Documents/CS3305/Assignments/A6/A6P2$ java A6P22.java
0 miles = 0 kilometers
10 miles = 16 kilometers
20 miles = 32 kilometers
30 miles = 48 kilometers
40 miles = 64 kilometers
50 miles = 80 kilometers
60 miles = 96 kilometers
70 miles = 112 kilometers
80 miles = 128 kilometers
90 miles = 144 kilometers
```

Code:

```java
// Name: Ryan Brinson
// Class: CS 3305/W04
// Term: Fall 2023
// Instructor: Carla McManus
// Assignment: 06-Part-2.1-Time

public class A6P22 {
    public static void main(String[] args) {

        // Array of distances in miles
        Integer[] distArr = {0, 10, 20, 30, 40, 50, 60, 70, 80, 90};

        // Print out each conversion from miles to kilometers
        for (Integer mi : distArr) {
            System.out.printf("%d miles = %.0f kilometers\n", mi,
milesToKilometers(mi));
        }

    }

    // ----- Methods -----

    // Function that converts miles to kilometers
    public static Double milesToKilometers(Integer mi) {
```

```
        return (mi * 1.6);
    }


}
```