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Roll no: 41	Tutorial No: 2	
Title of LAB Assignment: Assignment based on Lambda		
DOP: 25-09-2023	DOS:02-10-2023	
CO Mapped: Co1,Co2	PO Mapped: PO3 ,PO6	Signature:

1. Write a Java program using Lambda Expression to calculate the following:

a. Convert Fahrenheit to Celsius b. Convert Kilometers to Miles

```
import java.util.function.Function;
```

```

public class LambdaExpressionConversion {

    public static void main(String[] args) {

        Function<Double, Double> fahrenheitToCelsius = (fahrenheit) ->
(fahrenheit - 32.0) * 5.0/9.0;

        Function<Double, Double> kilometersToMiles = (kilometers) -> kilometers
* 0.621371;

        double fahrenheit = 68.0;

        double kilometers = 10.0;

        double celsius = fahrenheitToCelsius.apply(fahrenheit);

        double miles = kilometersToMiles.apply(kilometers);

        System.out.println(fahrenheit + " Fahrenheit is " + celsius + "
Celsius.");

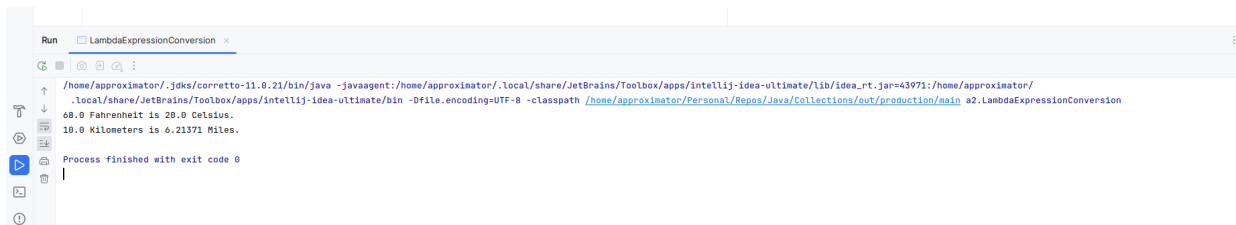
        System.out.println(kilometers + " Kilometers is " + miles + " Miles.");

    }

}

```

Output:



```

Run LambdaExpressionConversion
/home/approximator/.jdk/corretto-11.0.21/bin/java -javaagent:/home/approximator/.local/share/JetBrains/Toolbox/apps/intellij-idea-ultimate/lib/idea_rt.jar=43971:/home/approximator/.local/share/JetBrains/Toolbox/apps/intellij-idea-ultimate/bin -Dfile.encoding=UTF-8 -classpath /home/approximator/Personal/Repos/Java/Collections/out/production/main a2.LambdaExpressionConversion
68.0 Fahrenheit is 20.0 Celsius.
10.0 Kilometers is 6.21371 Miles.
Process finished with exit code 0

```