Java Code

```java
//myName: Danyri Legette
import java.util.Scanner;
public class Homework04 {

    //converting meters to kilometers
    public static void showKilometers(double meters)
    {
        double kilometers = meters * 0.001;
        System.out.println(meters + " meters is equal to " +kilometers+ " kilometers.");
    }

    //converting meters to inches
    public static void showInches(double meters)
    {
        double inches = meters * 39.37;
        System.out.println(meters + " meters is equal to " +inches+ " inches.");
    }


    //converting meters to feet
        public static void showFeet(double meters)
        {
            double feet = meters * 3.281;
            System.out.println(meters + " meters is equal to " +feet+ " feet.");

        }

        //main method
        public static void main(String[] args)
        {
            Scanner key = new Scanner(System.in);

            System.out.println("Enter a distance in meters: ");

            double meters = key.nextDouble();

            //valid input
            if(meters < 0)
            {
                System.out.println("Invalid value entered! Exiting the program!");
                System.exit(0); //exits the program
            }

            //storing menu selections
            int choice;

            //loop to display the menu selection

            do
            {
                System.out.println("1. Convert to kilometers");
```

```java
52                  System.out.println("2. Convert to inches");
53                  System.out.println("3. Convert to feet");
54                  System.out.println("4. Quit the program");
55                  System.out.print("Enter your choice (1-4): ");
56
57              choice = key.nextInt();
58
59
60              //the user's choice is executed here
61              switch(choice)
62              {
63              case 1:
64                  showKilometers(meters);
65                  break;
66
67              case 2:
68                  showInches(meters);
69                  break;
70
71              case 3:
72                  showFeet(meters);
73                  break;
74
75              case 4:
76                  System.out.println("Quitting the Program!");
77                  break;
78
79              default:
80                  System.out.println("Invalid choice! Enter a number between 1 and
    4.");
81              }
82
83          //allows the user to choose until they quit
84              }while(choice != 4);
85
86      }
87
88
89  }
90
```