

עבודה ב-JAVA כפיר אברהם.

פונקציה לחישוב ממוצע:

```
public class Average {  
  
    public static void main(String[] args) {  
        double[] numArray = { 45.3, 67.5, -45.6, 20.34, 33.0, 45.6 };  
        double sum = 0.0;  
  
        for (double num: numArray) {  
            sum += num;  
        }  
  
        double average = sum / numArray.length;  
        System.out.format("The average is: %.2f", average);  
    }  
}
```

חיבור שתי רשימות (addAll):

```
import java.util.ArrayList;  
import java.util.List;  
  
public class JoinLists {  
  
    public static void main(String[] args) {  
  
        List<String> list1 = new ArrayList<String>();
```

```

list1.add("a");

List<String> list2 = new ArrayList<String>();
list2.add("b");

List<String> joined = new ArrayList<String>();

joined.addAll(list1);
joined.addAll(list2);

System.out.println("list1: " + list1);
System.out.println("list2: " + list2);
System.out.println("joined: " + joined);

}
}

```

פונקציה לבדיקת מספר זוגי/אי זוגי:

```

import java.util.Scanner;

public class EvenOdd {

    public static void main(String[] args) {

        Scanner reader = new Scanner(System.in);

        System.out.print("Enter a number: ");
        int num = reader.nextInt();

        if(num % 2 == 0)
            System.out.println(num + " is even");
        else
            System.out.println(num + " is odd");
    }
}

```

```
}  
}
```

פונקציה להמרת מחרוזת לדאבל:

```
class Main {  
    public static void main(String[] args) {  
  
        // create string variables  
        String str1 = "23";  
        String str2 = "456.6";  
  
        // convert string to double  
        // using parseDouble()  
        double num1 = Double.parseDouble(str1);  
        double num2 = Double.parseDouble(str2);  
  
        // print double values  
        System.out.println(num1); // 23.0  
        System.out.println(num2); // 456.6  
    }  
}
```