public class PassengerAgeGroups {

public static void main(String[] args) {

int[] ageGroups = new int[6]; // to store count of passengers in each age group

// sample data

int[] passengerAges = {23, 45, 12, 36, 17, 8, 54, 31, 28, 41, 60};

for(int age: passengerAges) {

if(age <= 10) {

ageGroups[0]++;

}

else if(age > 10 && age <= 20) {

ageGroups[1]++;

}

else if(age > 20 && age <= 30) {

ageGroups[2]++;

}

else if(age > 30 && age <= 40) {

ageGroups[3]++;

}

else if(age > 40 && age <= 50) {

ageGroups[4]++;

}

else {

ageGroups[5]++;

}

}

// print the count of passengers in each age group

System.out.println("Age group\tCount");

System.out.println("0-10\t\t" + ageGroups[0]);

System.out.println("10-20\t\t" + ageGroups[1]);

System.out.println("20-30\t\t" + ageGroups[2]);

System.out.println("30-40\t\t" + ageGroups[3]);

System.out.println("40-50\t\t" + ageGroups[4]);

System.out.println("50+\t\t" + ageGroups[5]);

}

}