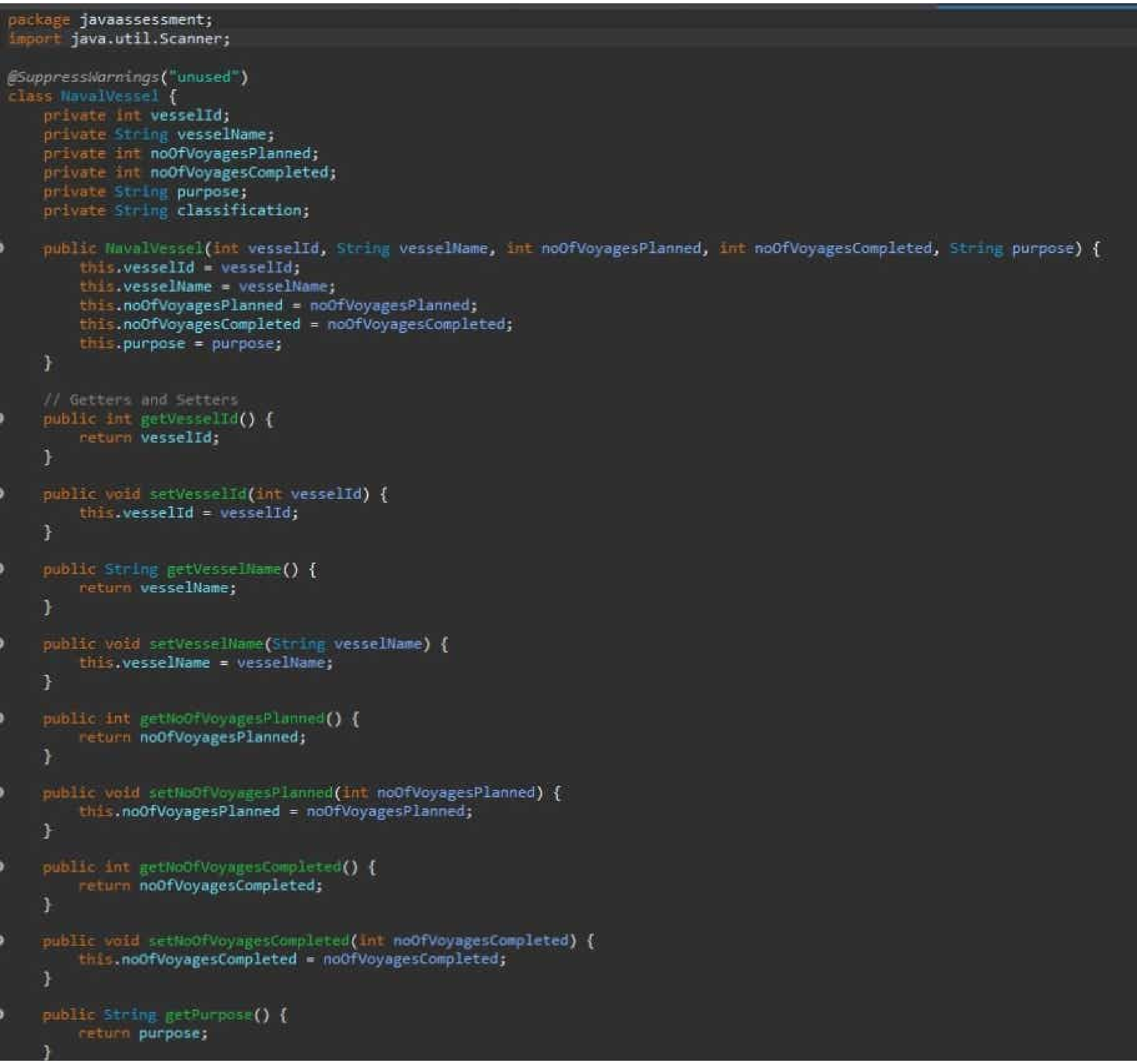
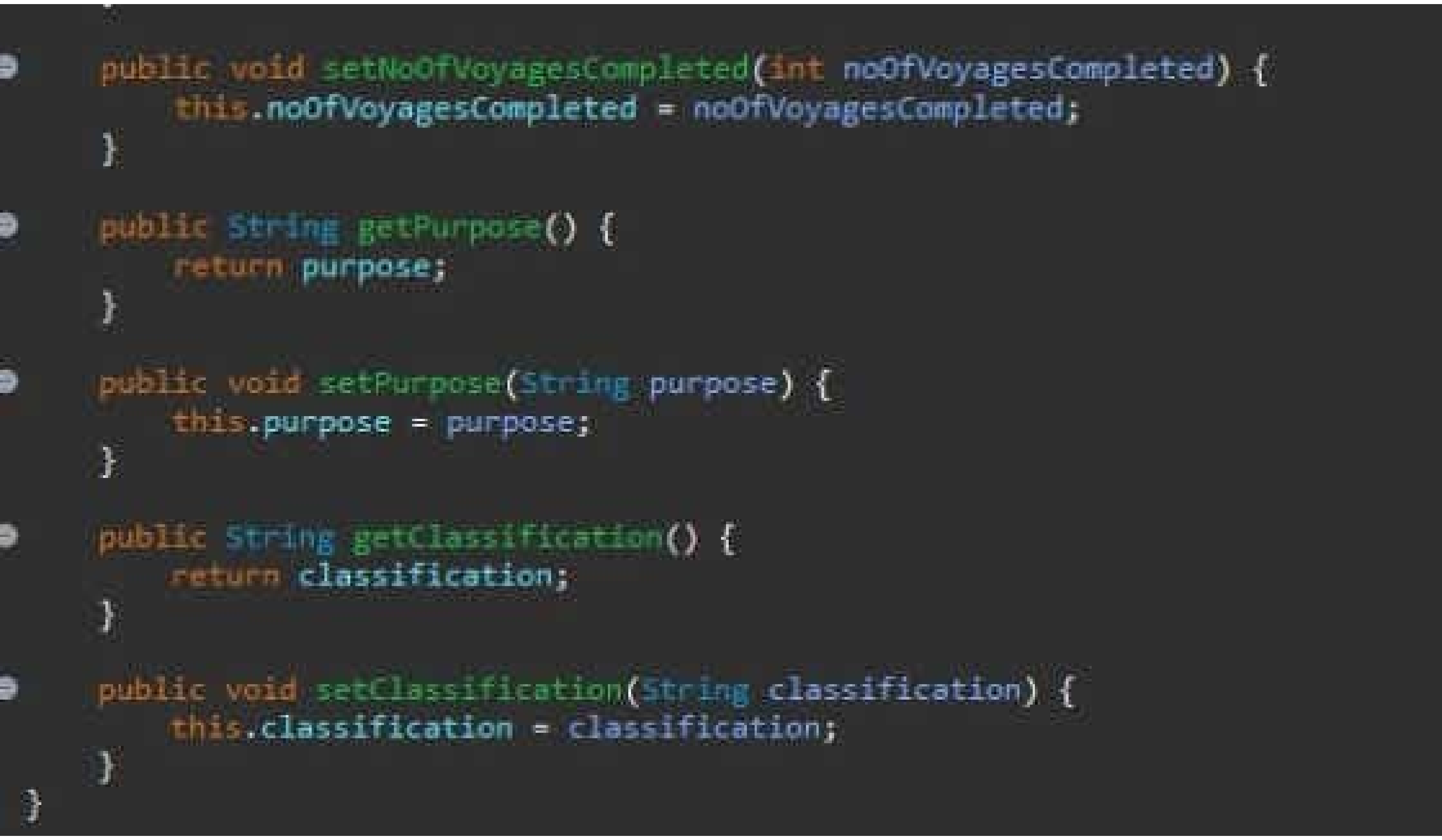
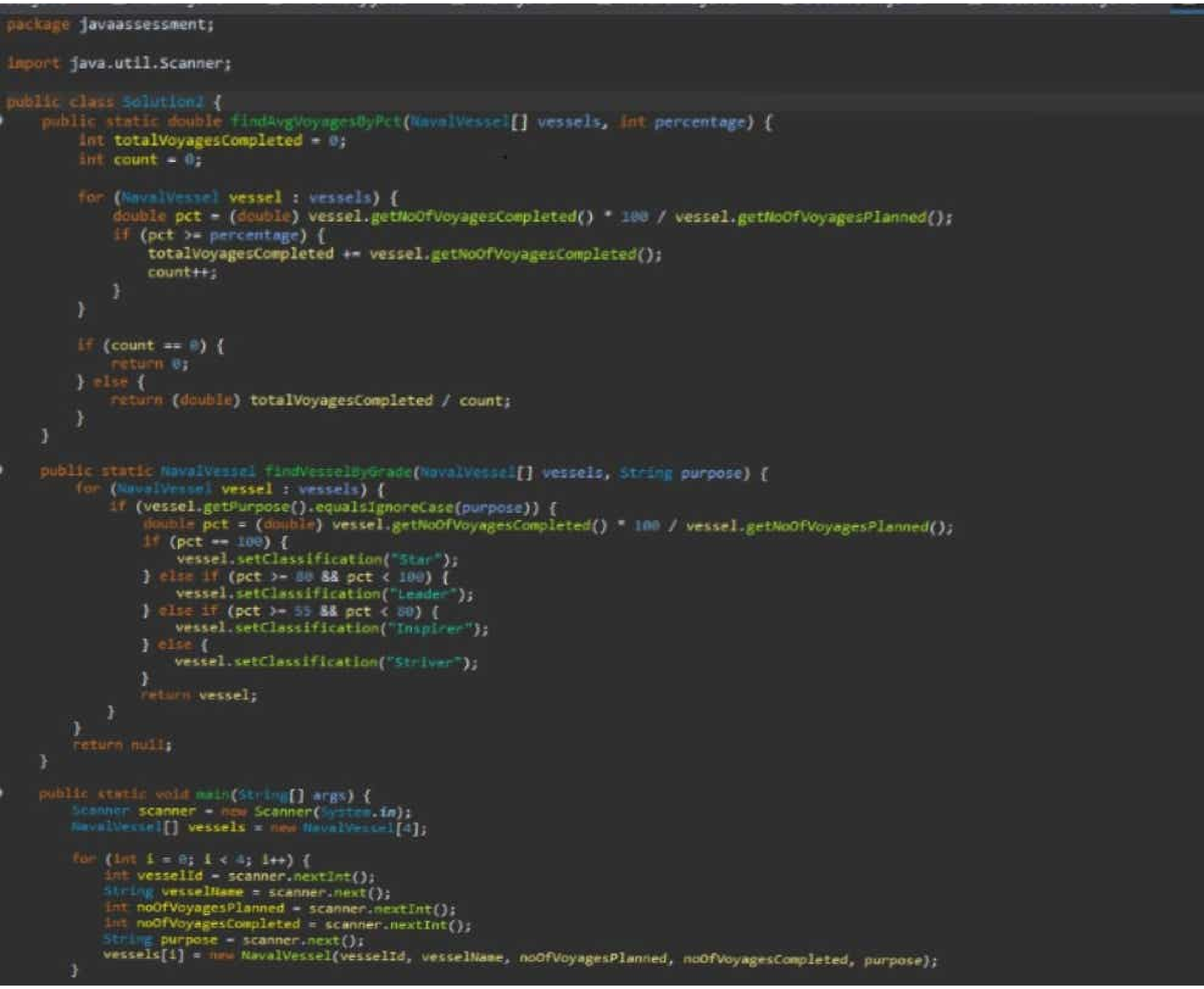


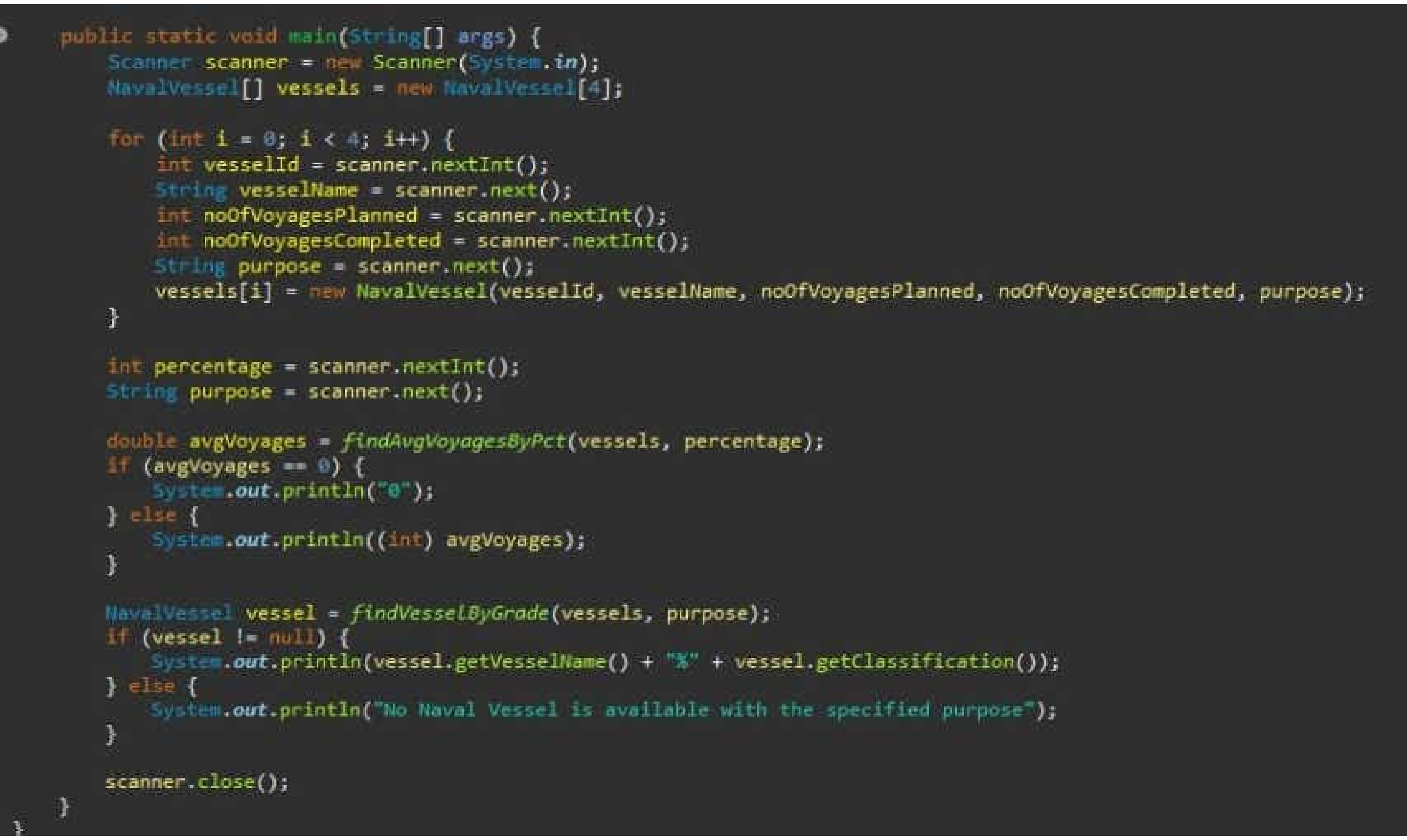
```java
package javaassessment;
import java.util.Scanner;

@SuppressWarnings("unused")
class NavalVessel {
    private int vesselId;
    private String vesselName;
    private int noOfVoyagesPlanned;
    private int noOfVoyagesCompleted;
    private String purpose;
    private String classification;

    public NavalVessel(int vesselId, String vesselName, int noOfVoyagesPlanned, int noOfVoyagesCompleted, String purpose) {
        this.vesselId = vesselId;
        this.vesselName = vesselName;
        this.noOfVoyagesPlanned = noOfVoyagesPlanned;
        this.noOfVoyagesCompleted = noOfVoyagesCompleted;
        this.purpose = purpose;
    }

    // Getters and Setters
    public int getVesselId() {
        return vesselId;
    }

    public void setVesselId(int vesselId) {
        this.vesselId = vesselId;
    }

    public String getVesselName() {
        return vesselName;
    }

    public void setVesselName(String vesselName) {
        this.vesselName = vesselName;
    }

    public int getNoOfVoyagesPlanned() {
        return noOfVoyagesPlanned;
    }

    public void setNoOfVoyagesPlanned(int noOfVoyagesPlanned) {
        this.noOfVoyagesPlanned = noOfVoyagesPlanned;
    }

    public int getNoOfVoyagesCompleted() {
        return noOfVoyagesCompleted;
    }

    public void setNoOfVoyagesCompleted(int noOfVoyagesCompleted) {
        this.noOfVoyagesCompleted = noOfVoyagesCompleted;
    }

    public String getPurpose() {
        return purpose;
    }
```



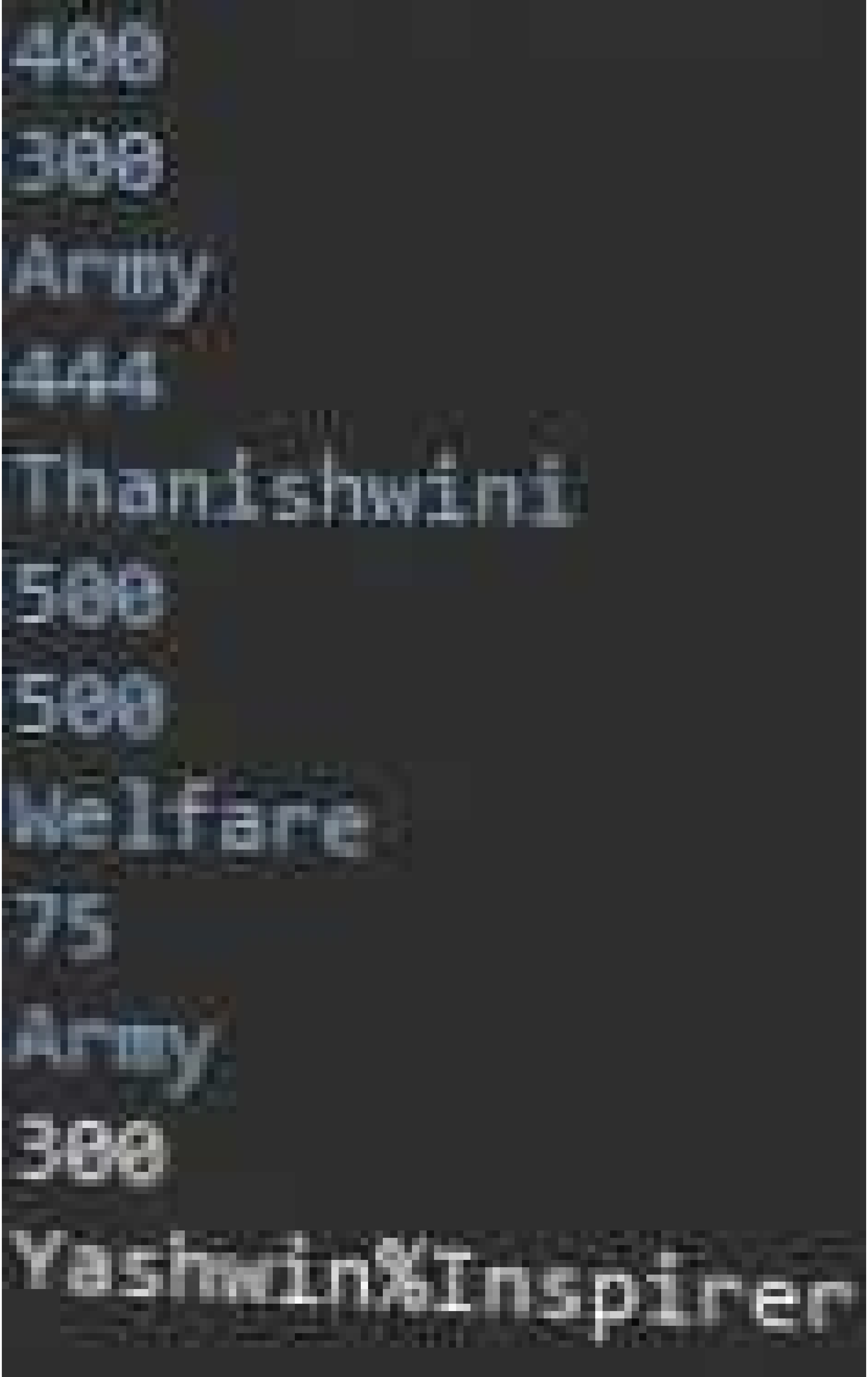
```
    }
    public void setNoOfVoyagesCompleted(int noOfVoyagesCompleted) {
        this.noOfVoyagesCompleted = noOfVoyagesCompleted;
    }

    public String getPurpose() {
        return purpose;
    }

    public void setPurpose(String purpose) {
        this.purpose = purpose;
    }

    public String getClassification() {
        return classification;
    }

    public void setClassification(String classification) {
        this.classification = classification;
    }
}
```



```java
package javaassessment;

import java.util.Scanner;

public class Solution2 {
    public static double findAvgVoyagesByPct(NavalVessel[] vessels, int percentage) {
        int totalVoyagesCompleted = 0;
        int count = 0;

        for (NavalVessel vessel : vessels) {
            double pct = (double) vessel.getNoOfVoyagesCompleted() * 100 / vessel.getNoOfVoyagesPlanned();
            if (pct >= percentage) {
                totalVoyagesCompleted += vessel.getNoOfVoyagesCompleted();
                count++;
            }
        }

        if (count == 0) {
            return 0;
        } else {
            return (double) totalVoyagesCompleted / count;
        }
    }

    public static NavalVessel findVesselByGrade(NavalVessel[] vessels, String purpose) {
        for (NavalVessel vessel : vessels) {
            if (vessel.getPurpose().equalsIgnoreCase(purpose)) {
                double pct = (double) vessel.getNoOfVoyagesCompleted() * 100 / vessel.getNoOfVoyagesPlanned();
                if (pct == 100) {
                    vessel.setClassification("Star");
                } else if (pct >= 80 && pct < 100) {
                    vessel.setClassification("Leader");
                } else if (pct >= 55 && pct < 80) {
                    vessel.setClassification("Inspirer");
                } else {
                    vessel.setClassification("Striver");
                }
                return vessel;
            }
        }
        return null;
    }

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        NavalVessel[] vessels = new NavalVessel[4];

        for (int i = 0; i < 4; i++) {
            int vesselId = scanner.nextInt();
            String vesselName = scanner.next();
            int noOfVoyagesPlanned = scanner.nextInt();
            int noOfVoyagesCompleted = scanner.nextInt();
            String purpose = scanner.next();
            vessels[i] = new NavalVessel(vesselId, vesselName, noOfVoyagesPlanned, noOfVoyagesCompleted, purpose);
        }
```



```java
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        NavalVessel[] vessels = new NavalVessel[4];

        for (int i = 0; i < 4; i++) {
            int vesselId = scanner.nextInt();
            String vesselName = scanner.next();
            int noOfVoyagesPlanned = scanner.nextInt();
            int noOfVoyagesCompleted = scanner.nextInt();
            String purpose = scanner.next();
            vessels[i] = new NavalVessel(vesselId, vesselName, noOfVoyagesPlanned, noOfVoyagesCompleted, purpose);
        }

        int percentage = scanner.nextInt();
        String purpose = scanner.next();

        double avgVoyages = findAvgVoyagesByPct(vessels, percentage);
        if (avgVoyages == 0) {
            System.out.println("0");
        } else {
            System.out.println((int) avgVoyages);
        }

        NavalVessel vessel = findVesselByGrade(vessels, purpose);
        if (vessel != null) {
            System.out.println(vessel.getVesselName() + "%" + vessel.getClassification());
        } else {
            System.out.println("No Naval Vessel is available with the specified purpose");
        }

        scanner.close();
    }
}
```



```
400
300
Army
444
Thanishwini
500
500
Welfare
75
Army
300
Yashwin%Inspirer
```