

eclipse-workspace - JavaAssignments-TechM/src/AutonomusCars.java - Eclipse IDE

Package Explorer

- JavaAssignments-TechM
 - IRE System Library [JavSE-1.0]
 - src
 - (default package)
 - AutonomusCars.java
 - LastCharacter.java
 - OddCharacters.java
 - PerfectSquare.java
 - PlayerGet.java
 - ReverseNumber.java
 - ReverseString.java
 - SimTransferCircle.java
 - SmallestVowel.java
 - Solution.java
 - SpaceCharacter.java
 - UniqueCharacters.java
 - VowelsConsonantCount.java

AutonomusCars.java

```
105 cars[i] = new AutonomusCar(carId, brand, noOfTestsConducted, noOfTestsPassed, environment);
106
107
108 String searchEnvironment = scanner.next();
109 String searchBrand = scanner.next();
110
111 int totalTestsPassed = findTestPassedByEnv(cars, searchEnvironment);
112 if (totalTestsPassed > 0) {
113     System.out.println(totalTestsPassed);
114 } else {
115     System.out.println("There are no tests passed in this particular environment");
116 }
```

Problems

AutonomusCars (Java Application) C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (May 31, 2024, 10:27:43 PM - 10:29:11 PM) [pid: 15100]

```
1000
tesla
1000
500
hills
200
ford
2000
1500
desert
300
royce
3000
1700
hills
400
mercedes
1000
400
desert
desert
mercedes
3000
mercedes::B2
```

Task List

Outline

- AutonomusCar
- AutonomusCars

eclipse-workspace - JavaAssignments-TechM/src/DeviceManagement.java - Eclipse IDE

Package Explorer

- JavaAssignments-TechM
 - IRE System Library [JavSE-1.0]
 - src
 - (default package)
 - AutonomusCars.java
 - DeviceManagement.java
 - LastCharacter.java
 - OddCharacters.java
 - PerfectSquare.java
 - PlayerGet.java
 - PrimeNumberSummation.java
 - ReverseNumber.java
 - ReverseString.java
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DeviceManagement.java

```
82 System.out.println(phoneBasedOnOs.getPhoneId());
83
84 } else {
85     System.out.println("No phones are available with specified os and price range");
86 }
87
88 scanner.close();
89
90 }
91
92 public static int findPriceForGivenBrand(Phone[] phones, String brand) {
93     int totalPrice = 0;
94     for (Phone phone : phones) {
95         if (phone.getBrand().equalsIgnoreCase(brand)) {
96             totalPrice += phone.getPrice();
97         }
98     }
99     return totalPrice;
100 }
```

Problems

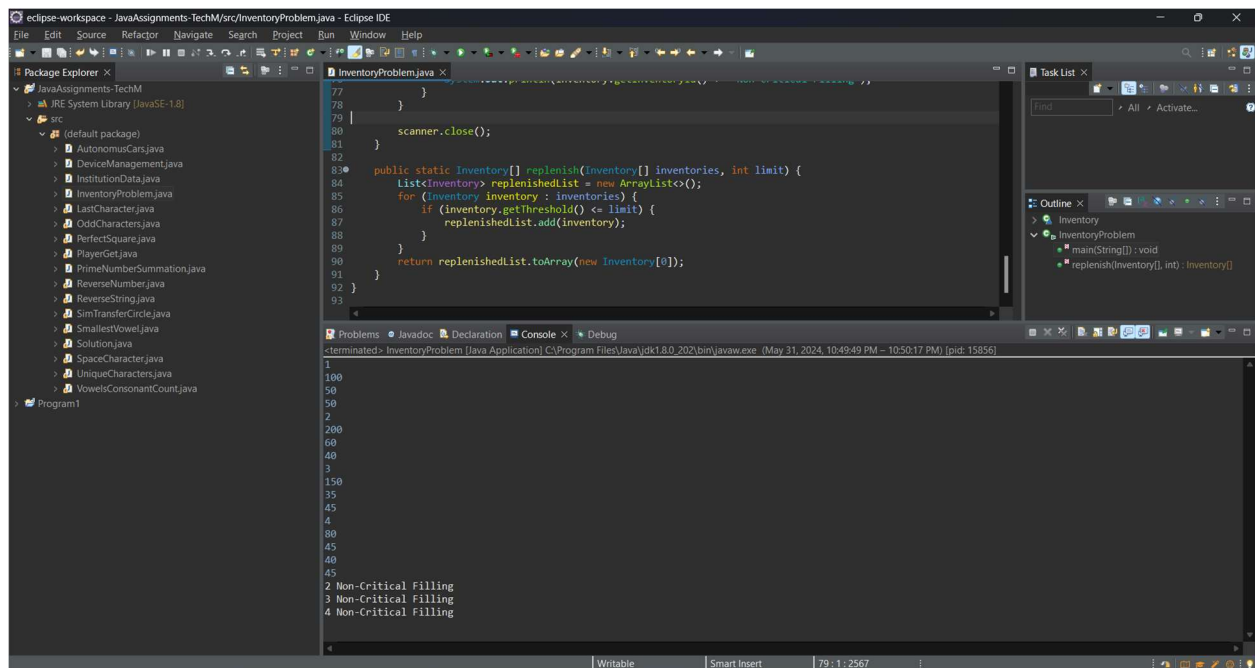
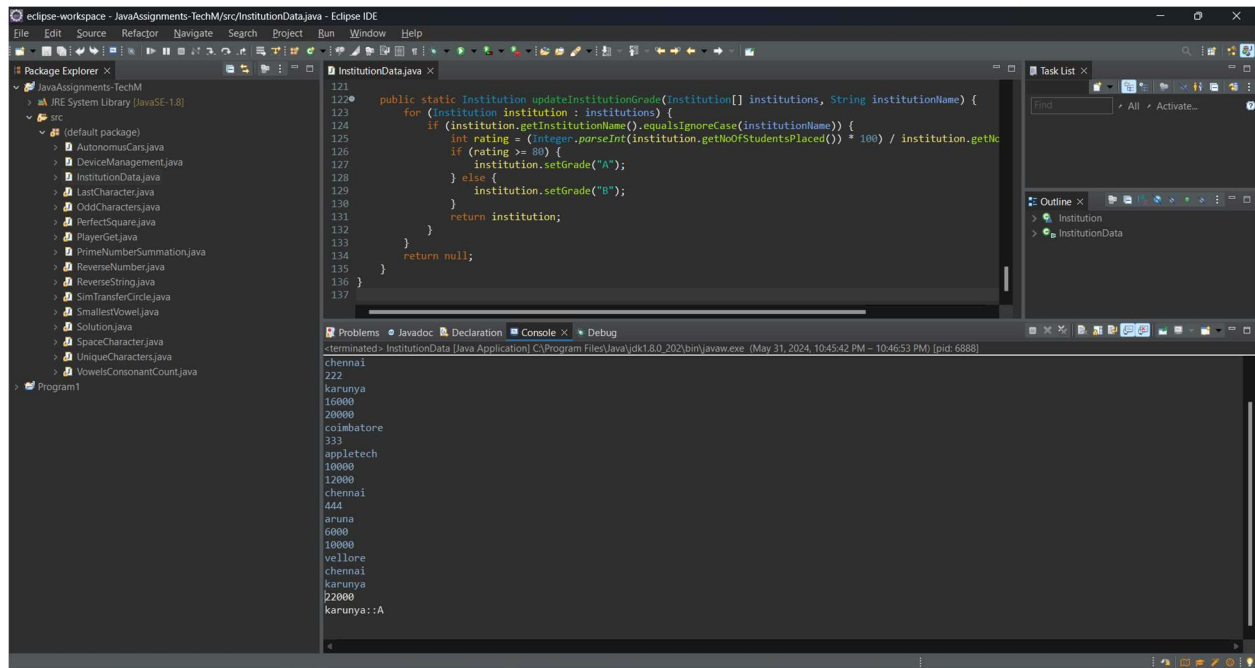
DeviceManagement (Java Application) C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (May 31, 2024, 10:40:53 PM - 10:42:05 PM) [pid: 12228]

```
111
105
apple
30000
222
android
samsung
50000
333
symbian
htc
12000
444
paranoid
htc
89000
blackberry
android
The given Brand is not available
222
```

Task List

Outline

- Phone
- DeviceManagement
 - main(String[]) : void
 - findPriceForGivenBrand(Phone[], String) : int
 - getPhoneBasedOnOs(Phone[], String) : Phone



eclipse-workspace - JavaAssignments-TechM/src/Movie_Get_Movie_By_Genre/Solution.java - Eclipse IDE

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Package Explorer

- JavaAssignments-TechM
 - JRE System Library [JavSE-1.8]
 - src
 - (default package)
 - AutonomusCars.java
 - DeviceManagement.java
 - InstitutionData.java
 - InventoryProblem.java
 - LastCharacter.java
 - MedicineGetPrice.java
 - MovieFindAvg.java
 - OddCharacters.java
 - PerfectSquare.java
 - PlayerGet.java
 - PrimeNumberSummation.java
 - ReverseNumber.java
 - ReverseString.java
 - SimTransferCircle.java
 - SmallestVowel.java
 - Solution.java
 - SpaceCharacter.java
 - UniqueCharacters.java
 - VowelsConsonantCount.java
 - Movie_Get_Movie_By_Genre
 - Movie.java
 - Solution.java
 - Naval_Vessel
 - NavaVessel.java
 - Solution.java
 - Player_based_on_Level
 - Player_Get_Avg_Runs
 - Sim_Match_And_Sort

Task List

Find

Outline

- Movie_Get_Movie_By_Genre
 - Solution

Problems Javadoc Declaration Console Debug

<terminated> Solution (5) [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (May 31, 2024, 11:42:44 PM) [pid: 8164]

```
marvel
action
250000000
bbb
marvel
comedy
250000000
ccc
marvel
comedy
2000000
ddd
marvel
action
300000000
Action
High Budget Movie
Low Budget Movie
```

eclipse-workspace - JavaAssignments-TechM/src/MovieFindAvg.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- JavaAssignments-TechM
 - JRE System Library [JavSE-1.8]
 - src
 - (default package)
 - AutonomusCars.java
 - DeviceManagement.java
 - InstitutionData.java
 - InventoryProblem.java
 - LastCharacter.java
 - MedicineGetPrice.java
 - MovieFindAvg.java
 - OddCharacters.java
 - PerfectSquare.java
 - PlayerGet.java
 - PrimeNumberSummation.java
 - ReverseNumber.java
 - ReverseString.java
 - SimTransferCircle.java
 - SmallestVowel.java
 - Solution.java
 - SpaceCharacter.java
 - UniqueCharacters.java
 - VowelsConsonantCount.java

Task List

Find

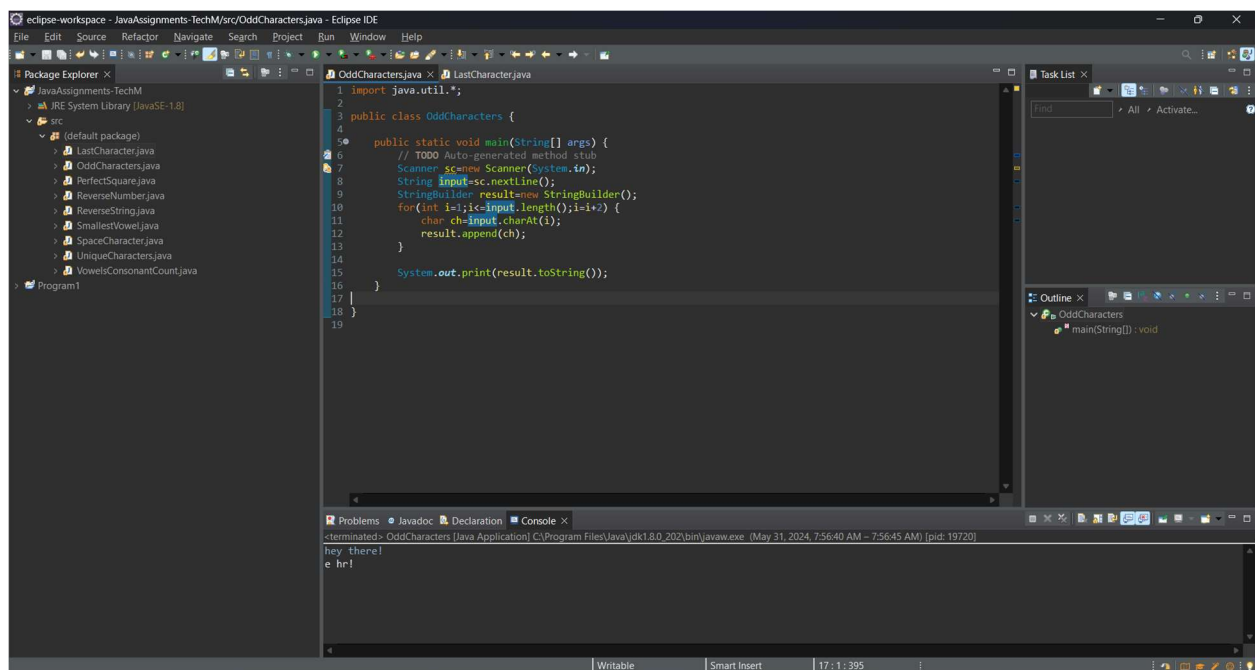
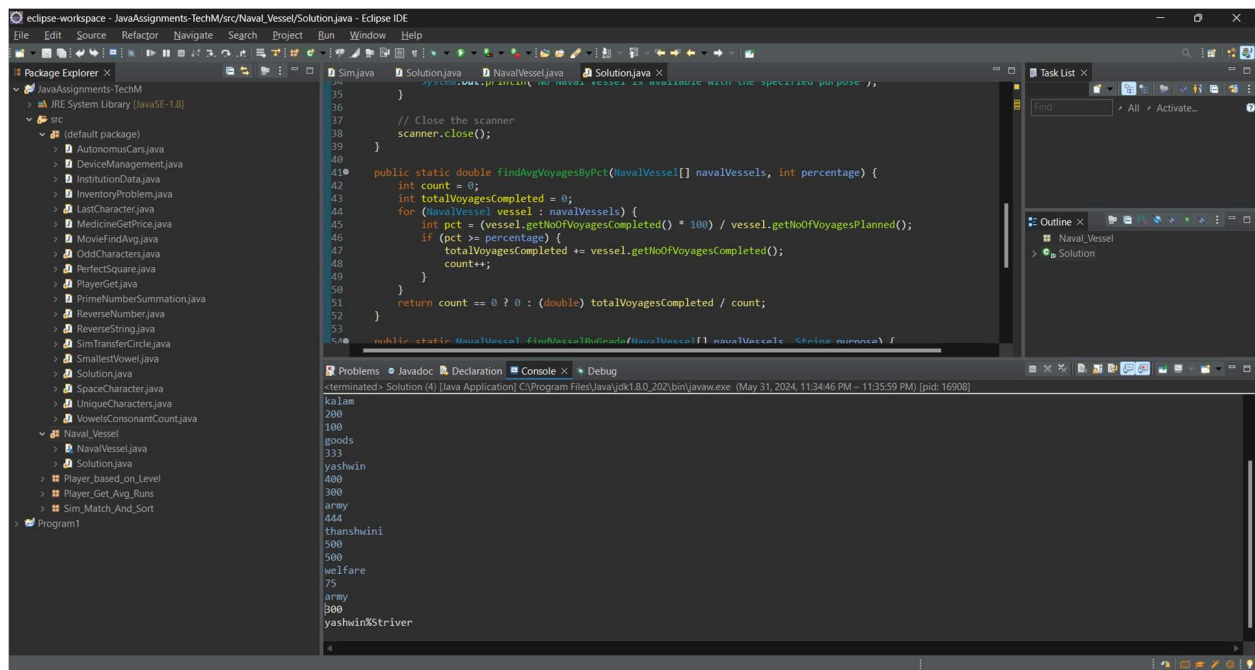
Outline

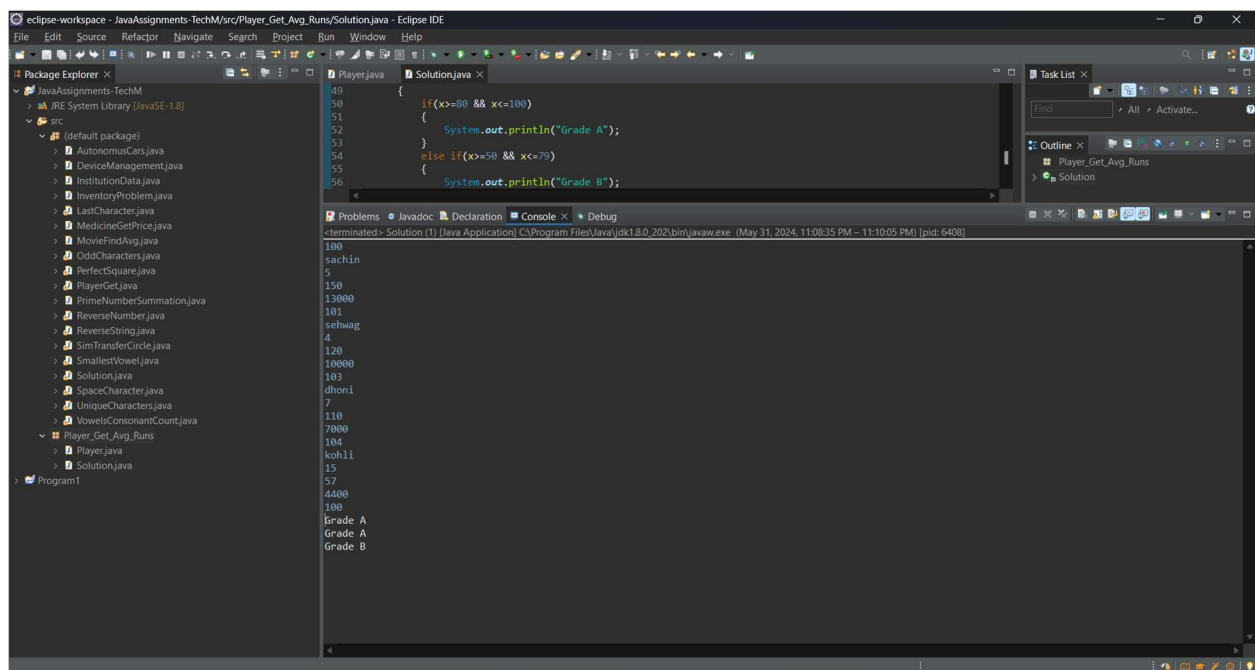
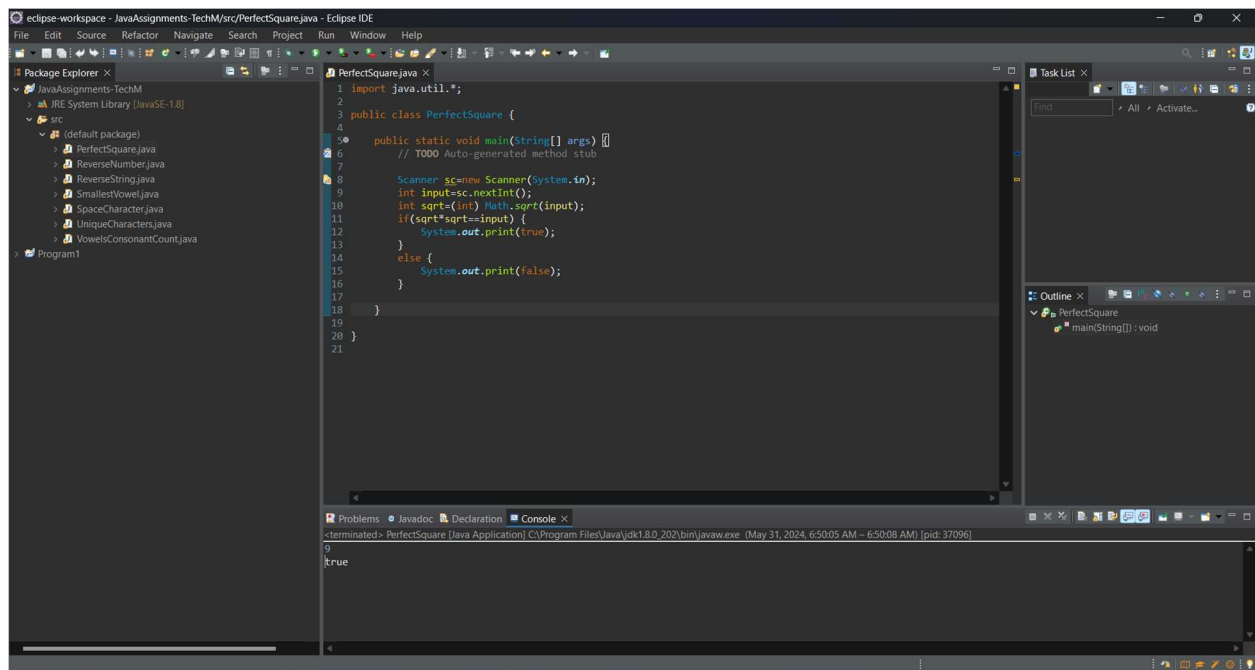
- Movie
 - MovieFindAvg

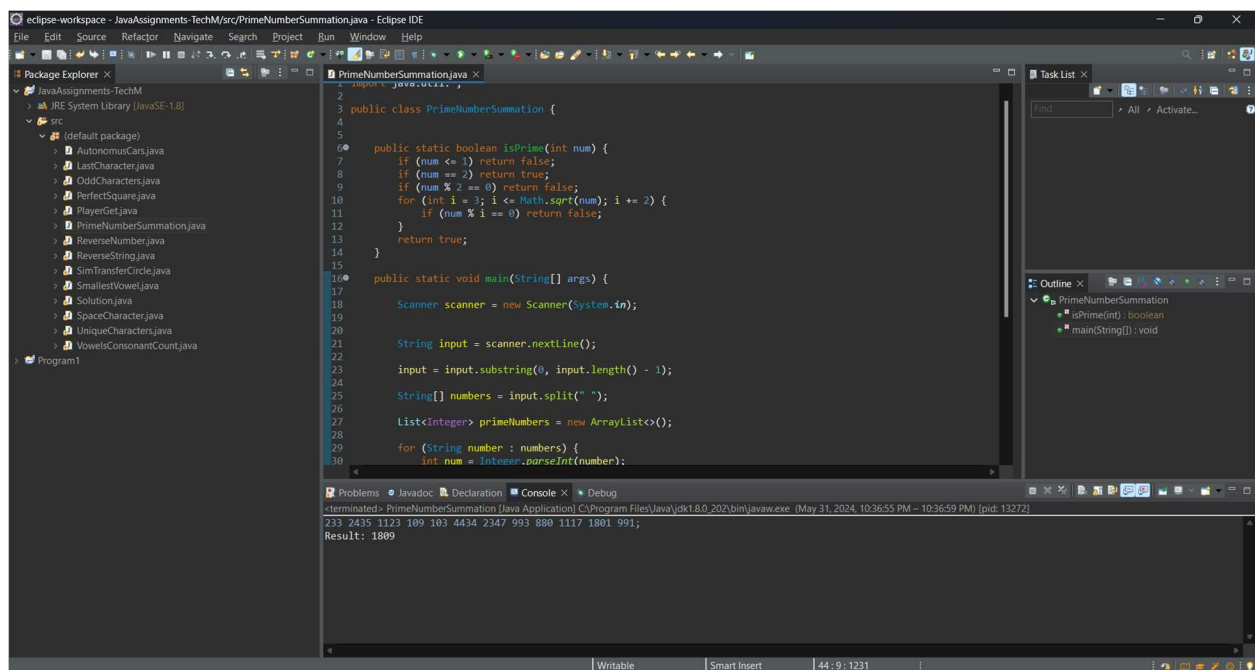
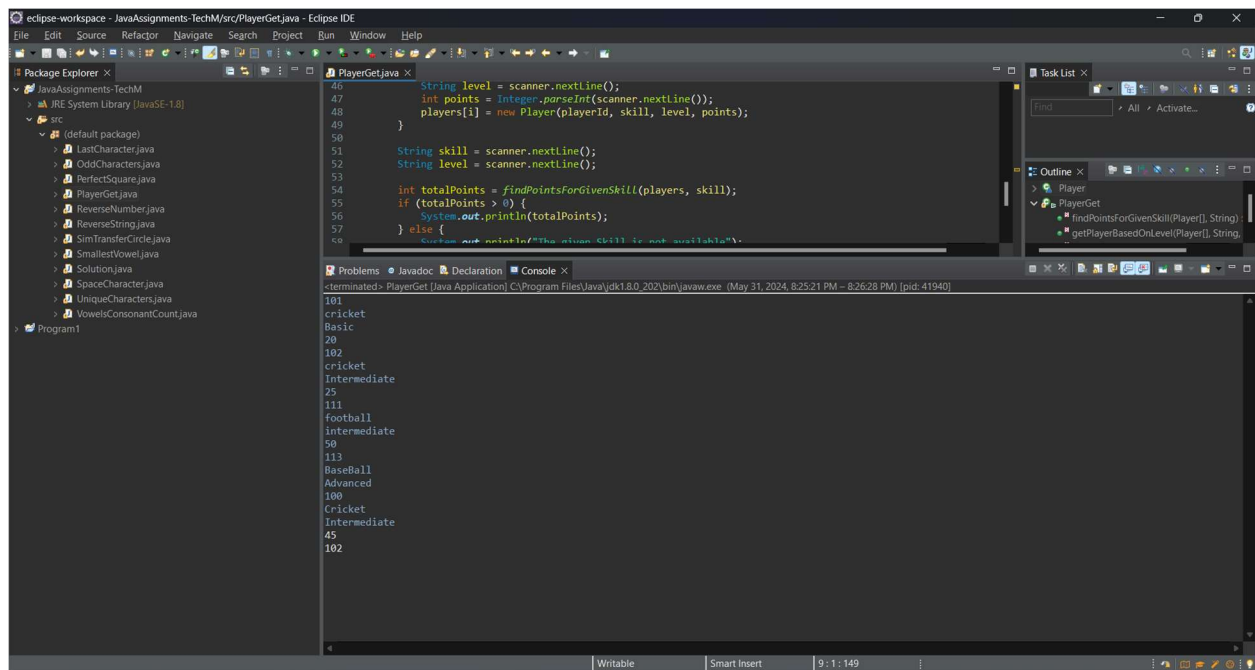
Problems Javadoc Declaration Console Debug

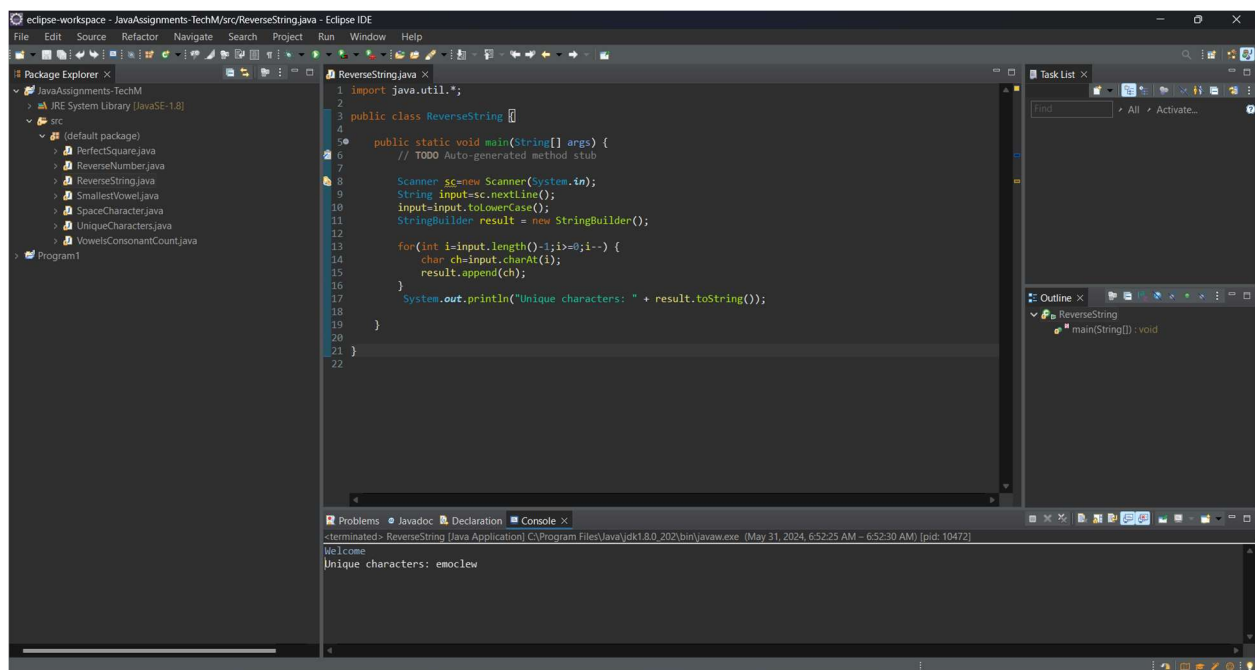
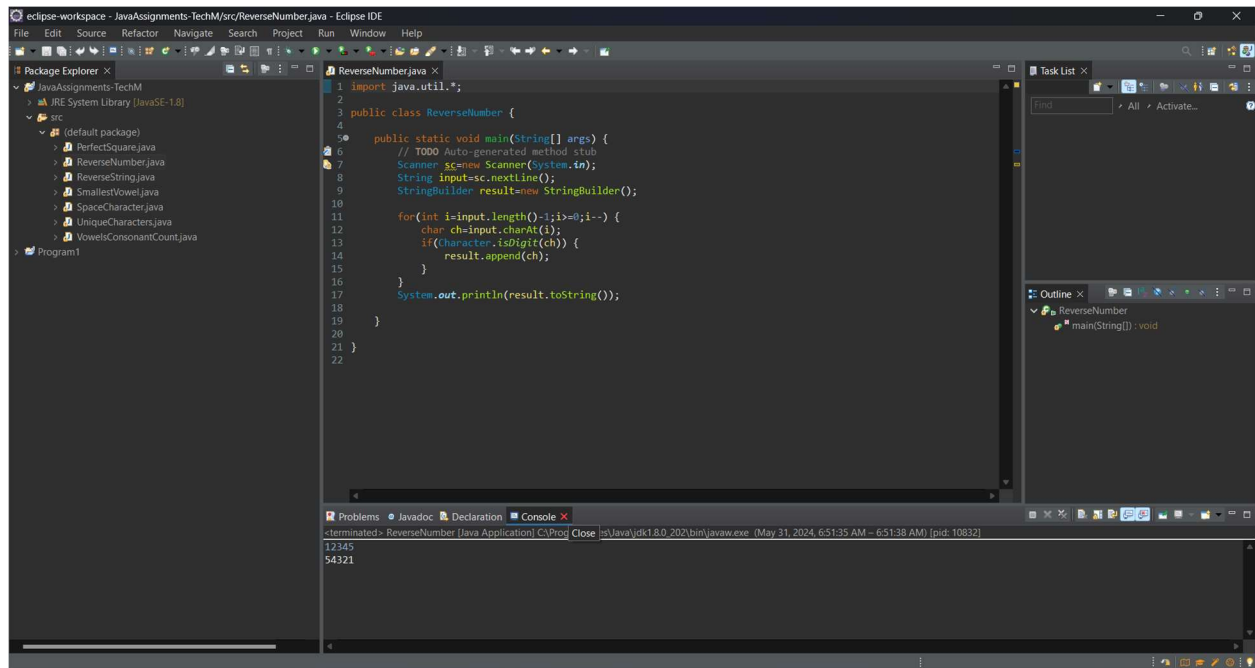
<terminated> MovieFindAvg [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (May 31, 2024, 11:01:44 PM - 11:02:36 PM) [pid: 6380]

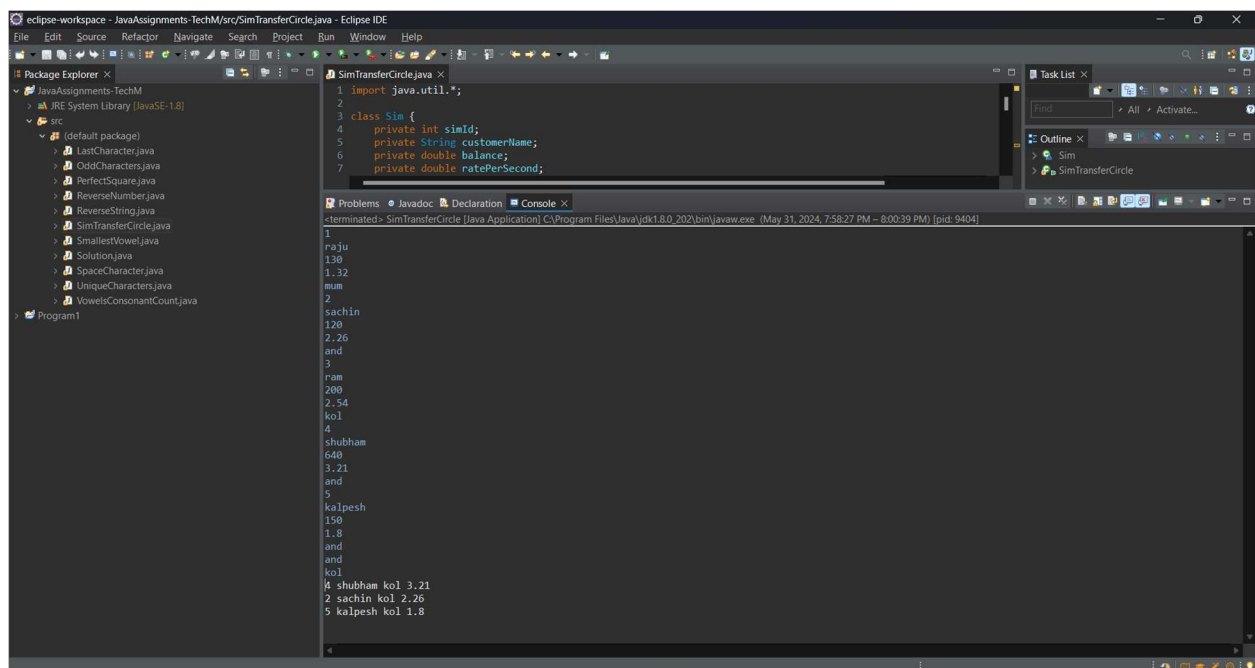
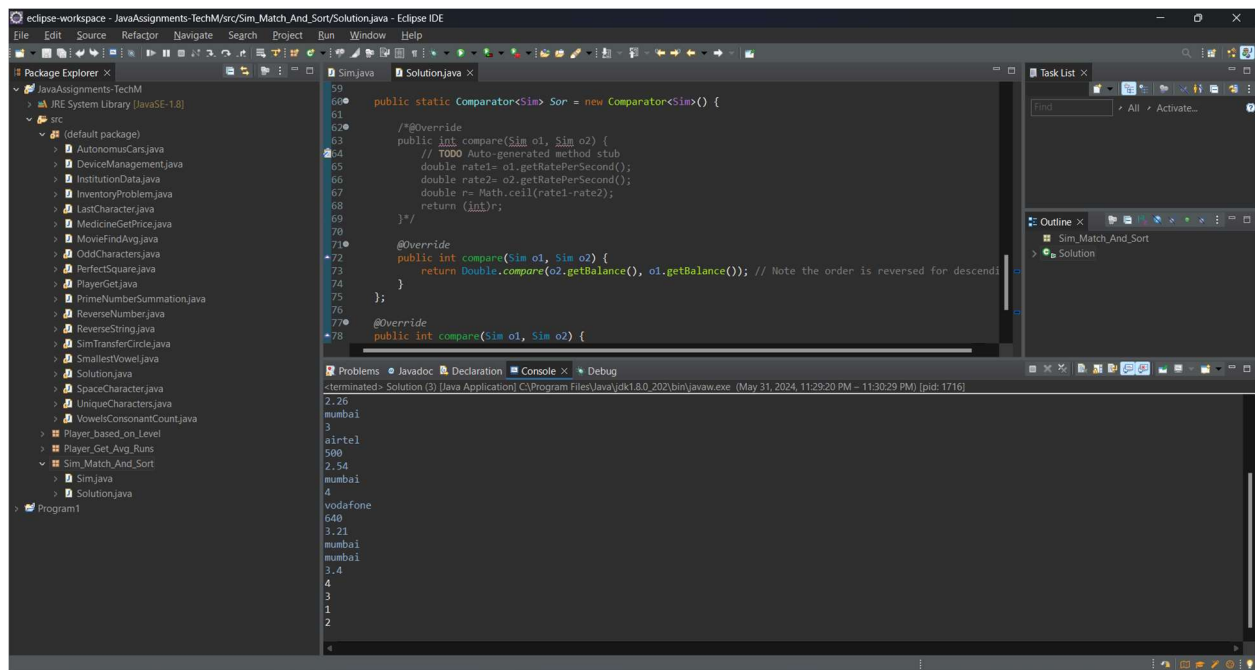
```
1101 gvm
4
100
1201 shankar
5
500
1301 shankar
3
50
1401 gvm
5
300
gvm
5
300
200
1401
```











eclipse-workspace - JavaAssignments-TechM/src/SmallestVowel.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- JavaAssignments-TechM
 - JRE System Library [JVMSE-1.8]
 - src
 - (default package)
 - PerfectSquare.java
 - ReverseNumber.java
 - ReverseString.java
 - SmallestVowel.java
 - SpaceCharacter.java
 - UniqueCharacters.java
 - VowelsConsonantCount.java
- Program1

SmallestVowel.java

```
1 import java.util.*;
2
3 public class SmallestVowel {
4
5     // TODO Auto-generated method stub
6     Scanner sc=new Scanner(System.in);
7     String input=sc.nextLine();
8     input=input.toLowerCase();
9     int a[]=new int[input.length()];
10
11     Arrays.fill(a, Integer.MAX_VALUE);
12
13     for(int i=0;i<input.length();i++) {
14         char ch=input.charAt(i);
15         if(Character.isLetter(ch)) {
16             if((ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u') {
17                 int ascii=(int)ch;
18                 a[i]=ascii;
19             }
20         }
21     }
22
23     int b=a[0];
24     for(int i=1;i<input.length();i++) {
25         if(a[i]<b) {
26             b=a[i];
27         }
28     }
29
30     char finalchar=(char)b;
31 }
```

Task List

Find

Outline

- SmallestVowel
 - main(String[]) : void

Problems Javadoc Declaration Console

terminated: SmallestVowel [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (May 31, 2024, 6:53:15 AM - 6:53:19 AM) [pid: 46184]

matrix

a

eclipse-workspace - JavaAssignments-TechM/src/Solution.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- JavaAssignments-TechM
 - JRE System Library [JVMSE-1.8]
 - src
 - (default package)
 - LastCharacter.java
 - OddCharacters.java
 - PerfectSquare.java
 - ReverseNumber.java
 - ReverseString.java
 - SmallestVowel.java
 - Solution.java
 - SpaceCharacter.java
 - UniqueCharacters.java
 - VowelsConsonantCount.java
- Program1

Solution.java

```
73 for (TravelAgencies agency : agencies) {
74     if (agency.isFlightFacility() &&
75         agency.getRegNo() == regNo &&
76         agency.getPackageType().equalsIgnoreCase(packageType)) {
77         return agency;
78     }
79 }
80 return null;
81 }
82
83 public static void main(String[] args) {
84     Scanner scanner = new Scanner(System.in);
85
86     // Reading input
87     TravelAgencies[] agencies = new TravelAgencies[4];
88     for (int i = 0; i < agencies.length; i++) {
```

Task List

Find

Outline

- TravelAgencies
 - Solution
 - findAgencyWithHighestPackagePrice(TravelAgencies[], int, String)
 - agencyDetailsForGivenIdAndType(TravelAgencies, int, String)
 - main(String[]) : void

Problems Javadoc Declaration Console

terminated: Solution [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (May 31, 2024, 7:47:36 PM - 7:48:36 PM) [pid: 13556]

123

A22 Agency

Platinum

50000

true

345

SSS Agency

Gold

30000

false

987

cox and kings

Diamond

40000

true

888

Global Tours

silver

20000

false

50000

cox and kings:40000

eclipse-workspace - JavaAssignments-TechM/src/SpaceCharacter.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer x

- JavaAssignments-TechM
 - IRE System Library [JavSE-1.0]
 - src
 - (default package)
 - PerfectSquare.java
 - ReverseNumber.java
 - ReverseString.java
 - SmallestVowel.java
 - SpaceCharacter.java
 - UniqueCharacters.java
 - VowelsConsonantCount.java

Program1

SpaceCharacter.java x

```
1 import java.util.*;
2
3 public class SpaceCharacter {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         Scanner sc=new Scanner(System.in);
8         String input=sc.nextLine();
9         int counts=0;
10        int count=0;
11        for(int i=0;i<input.length();i++) {
12            char ch=input.charAt(i);
13            if(Character.isLetter(ch)) {
14                count++;
15            }
16
17            else if(Character.isSpace(ch)) {
18                counts++;
19            }
20        }
21        System.out.println("space:"+counts);
22        System.out.println("Characters: "+count);
23    }
24
25
26
27
28
29
30
}
```

Task List x

Find

All Activate...

Outline x

- SpaceCharacter
 - main(String[]): void

Problems x Javadoc Declaration Console x

<terminated> SpaceCharacter [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\java.exe (May 31, 2024, 6:53:54 AM - 6:54:32 AM) [pid: 20784]

Hello This is ABCD from XYZ city
space:6
Characters:26

eclipse-workspace - JavaAssignments-TechM/src/UniqueCharacters.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer x

- JavaAssignments-TechM
 - IRE System Library [JavSE-1.0]
 - src
 - (default package)
 - PerfectSquare.java
 - ReverseNumber.java
 - ReverseString.java
 - SmallestVowel.java
 - SpaceCharacter.java
 - UniqueCharacters.java
 - VowelsConsonantCount.java

Program1

UniqueCharacters.java x

```
1
2 import java.util.*;
3 public class UniqueCharacters {
4
5     public static void main(String args[]) {
6
7         Scanner sc=new Scanner(System.in);
8         String input=sc.nextLine();
9         StringBuilder result = new StringBuilder();
10        for(int i=0;i<input.length();i++) {
11            int temp=0;
12            for(int j=0;j<i;j++) {
13                if(input.charAt(i)==input.charAt(j)) {
14                    temp=1;
15                    break;
16                }
17            }
18            if(temp==0) {
19                result.append(input.charAt(i));
20            }
21        }
22        System.out.println("Unique characters: " + result.toString());
23    }
24
25
26
}
```

Task List x

Find

All Activate...

Outline x

- UniqueCharacters
 - main(String[]): void

Problems x Javadoc Declaration Console x

<terminated> UniqueCharacters [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\java.exe (May 31, 2024, 6:55:03 AM - 6:55:33 AM) [pid: 4732]

xperience
Unique characters: xperinc

eclipse-workspace - JavaAssignments-TechM/src/VowelsConsonantCount.java - Eclipse IDE

```
1 import java.util.*;
2
3 public class VowelsConsonantCount {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7
8         Scanner sc=new Scanner(System.in);
9
10        String input=sc.nextLine();
11        input=input.toLowerCase();
12        int countv=0;
13        int countc=0;
14        for(int i=0;i<input.length();i++) {
15            char ch=input.charAt(i);
16            if(Character.isLetter(ch)) {
17                if((ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u') {
18                    countv++;
19                }
20                else {
21                    countc++;
22                }
23            }
24        }
25
26        System.out.println("Vowels:"+countv);
27        System.out.println("Consonants:"+countc);
28    }
29 }
30 }
31 }
```

Task List

Outline

- VowelsConsonantCount
 - main(String[]) : void

Problems | Javadoc | Declaration | Console

<terminated> VowelsConsonantCount [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (May 31, 2024, 6:56:05 AM - 6:56:34 AM) [pid: 47084]

Hello World!
Vowels:3
Consonants:7

eclipse-workspace - JavaAssignments-TechM/src/PrimeNumberSummation.java - Eclipse IDE

```
1 import java.util.*;
2
3 public class PrimeNumberSummation {
4
5     public static boolean isPrime(int num) {
6         if (num <= 1) return false;
7         if (num == 2) return true;
8         if (num % 2 == 0) return false;
9         for (int i = 3; i <= Math.sqrt(num); i += 2) {
10             if (num % i == 0) return false;
11         }
12         return true;
13     }
14
15     public static void main(String[] args) {
16         Scanner scanner = new Scanner(System.in);
17
18         String input = scanner.nextLine();
19
20         input = input.substring(0, input.length() - 1);
21
22         String[] numbers = input.split(" ");
23
24         List<Integer> primeNumbers = new ArrayList<>();
25
26         for (String number : numbers) {
27             int num = Integer.parseInt(number);
28         }
29     }
30 }
```

Task List

Outline

- PrimeNumberSummation
 - isPrime(int) : boolean
 - main(String[]) : void

Problems | Javadoc | Declaration | Console | Debug

<terminated> PrimeNumberSummation [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (May 31, 2024, 10:36:55 PM - 10:36:59 PM) [pid: 13272]

293 2435 1123 109 103 4434 2347 993 880 1117 1801 991;
Result: 1809

Writable | Smart Insert | 44:9: 1231