

eclipse-workspace - Java-fsd/src/finalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Console x

MainApplication [Java Application] C:\Users\AVI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\java

ENTER THE BASE VALUE OF THE LAND: 17000  
ENTER THE BUILT-UP AREA OF THE LAND: 100  
ENTER THE AGE OF CONSTRUCTION IN YEARS: 2  
IS THE LAND LOCATED IN THE MAIN CITY? (Y/N): y  
PROPERTY ADDED SUCCESSFULLY!  
1. ADD PROPERTIES DETAILS  
2. CALCULATE PROPERTY TAX  
3. DISPLAY ALL PROPERTIES  
4. BACK TO MAIN MENU  
3

ID	BUILT-UP AREA	BASE PRICE	AGE (YEARS)	IN CITY	PROPERTY TAX
1.0	25.0	15000.0	2.0	Y	750012.5
2.0	30.0	20000.0	3.0	N	1800000.0
3.0	100.0	17000.0	2.0	Y	3400050.0

Vehicle.java Property.java TaxCalculator.java StorageManager.java UserInterface.java MainApplication.java x

```
379         System.out.print("ENTER THE AGE OF CONSTRUCTION IN YEARS: ");
380         ageOfConstruction = scanner.nextInt();
381         if (ageOfConstruction <= 0) {
382             throw new IllegalArgumentException("Error: Age of const
383         }
384     } catch (InputMismatchException e) {
385         System.out.println("Error: Invalid input. Please enter a va
386         scanner.next(); // clear the scanner buffer
387     } catch (IllegalArgumentException e) {
388         System.out.println(e.getMessage());
389     }
390 } while (ageOfConstruction <= 0);
```

Outline Coverage x

Element	Coverage	Covered Instru...	Missed Instru...
---------	----------	-------------------	------------------

Type here to search

(10) WhatsApp and... eclipse-workspace ...

31°C Sunny 12:20 PM 4/5/2024



eclipse-workspace - Java-fsd/src/FinalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Console x

MainApplication [Java Application] C:\Users\AVI\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\java

3. DISPLAY ALL PROPERTIES

4. BACK TO MAIN MENU

2

ID	BUILT-UP AREA	BASE PRICE	AGE (YEARS)	IN CITY	PROPERTY TAX
1.0	25.0	15000.0	2.0	Y	750012.5
2.0	30.0	20000.0	3.0	N	1800000.0
3.0	100.0	17000.0	2.0	Y	3400050.0

ENTER THE PROPERTY ID TO CALCULATE THE TAX: 2

PROPERTY TAX FOR PROPERTY ID 2 IS 1800000.0

1. ADD PROPERTIES DETAILS

2. CALCULATE PROPERTY TAX

3. DISPLAY ALL PROPERTIES

4. BACK TO MAIN MENU

Vehicle.java Property.java TaxCalculator.java StorageManager.java UserInterface.java MainApplication.java x

```
379         System.out.print("ENTER THE AGE OF CONSTRUCTION IN YEARS: ");
380         ageOfConstruction = scanner.nextInt();
381         if (ageOfConstruction <= 0) {
382             throw new IllegalArgumentException("Error: Age of const
383         }
384     } catch (InputMismatchException e) {
385         System.out.println("Error: Invalid input. Please enter a va
386         scanner.next(); // clear the scanner buffer
387     } catch (IllegalArgumentException e) {
388         System.out.println(e.getMessage());
389     }
390 } while (ageOfConstruction <= 0);
```

Outline Coverage x

Element Coverage Covered Instru... Missed Instru...

Find All

Type here to search

(10) WhatsApp and... eclipse-workspace ...

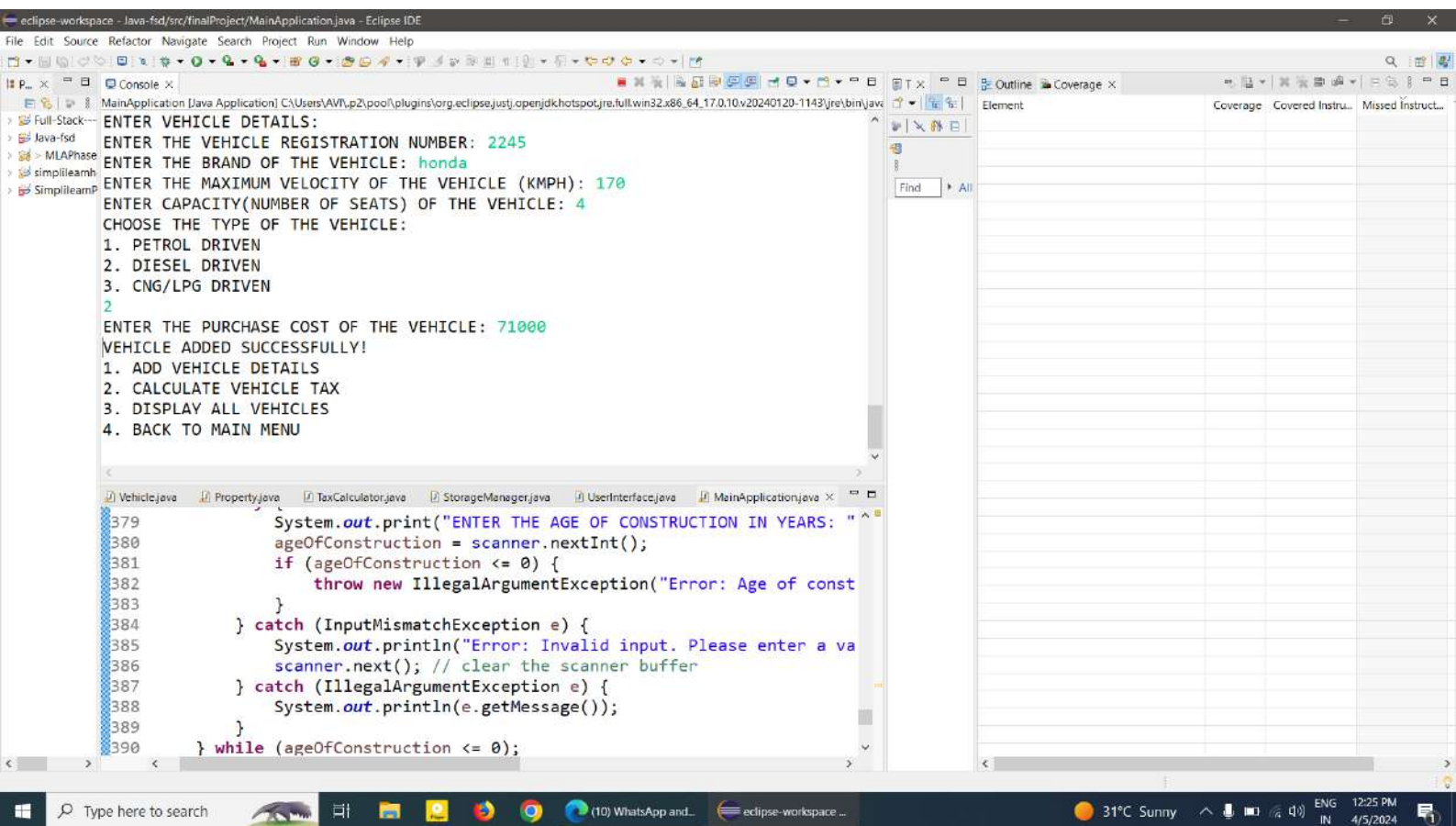
31°C Sunny 12:20 PM 4/5/2024











eclipse-workspace - Java-fsd/src/FinalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Console

MainApplication [Java Application] C:\Users\AVI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\javaw.exe (Apr 5, 2024, 12:12:58 PM) [pid: 12912]

```
2. DIESEL DRIVEN
3. CNG/LPG DRIVEN
3
ENTER THE PURCHASE COST OF THE VEHICLE: 78000
VEHICLE ADDED SUCCESSFULLY!
1. ADD VEHICLE DETAILS
2. CALCULATE VEHICLE TAX
3. DISPLAY ALL VEHICLES
4. BACK TO MAIN MENU
2
```

REGISTRATION NO.	BRAND	MAX. VELOCITY	NO. OF SEATS	VEHICLE TYPE	PURCHASE COST	VEHICLE T
2234	hero	150.0	3	Petrol	60000.0	6153.0
2245	honda	170.0	4	Diesel	71000.0	7984.0
4333	suzuki	180.0	4	CNG/LPG	78000.0	9544.0

Enter the Registration No. of Vehicle to calculate the tax -  
2245

Vehicle.java Property.java TaxCalculator.java StorageManager.java UserInterface.java MainApplication.java

```
379 System.out.print("ENTER THE AGE OF CONSTRUCTION IN YEARS: ");
380 ageOfConstruction = scanner.nextInt();
381 if (ageOfConstruction <= 0) {
382     throw new IllegalArgumentException("Error: Age of construction must be a positive r
383 }
384 } catch (InputMismatchException e) {
385     System.out.println("Error: Invalid input. Please enter a valid number.");
386     scanner.next(); // clear the scanner buffer
387 } catch (IllegalArgumentException e) {
```

Type here to search

31°C Sunny

ENG IN 12:28 PM 4/5/2024

eclipse-workspace - Java-fsd/src/FinalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Console

MainApplication [Java Application] C:\Users\AVI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\javaw.exe (Apr 5, 2024, 12:12:58 PM) [pid: 12912]

```
2245          honda          170.0          4          Diesel  71000.0          7984.0
4333          suzuki          180.0          4          CNG/LPG 78000.0          9544.0
=====
Enter the Registration No. of Vehicle to calculate the tax -
2245
VEHICLE TAX FOR REGISTRATION NO - 2245 IS 7984.0
1. ADD VEHICLE DETAILS
2. CALCULATE VEHICLE TAX
3. DISPLAY ALL VEHICLES
4. BACK TO MAIN MENU
3
=====
REGISTRATION NO.      BRAND      MAX. VELOCITY      NO. OF SEATS      VEHICLE TYPE      PURCHASE COST      VEHICLE T
=====
2234                  hero          150.0          3          Petrol  60000.0          6153.0
2245                  honda          170.0          4          Diesel  71000.0          7984.0
4333                  suzuki          180.0          4          CNG/LPG 78000.0          9544.0
=====
1. ADD VEHICLE DETAILS
2. CALCULATE VEHICLE TAX
```

Vehicle.java | Property.java | TaxCalculator.java | StorageManager.java | UserInterface.java | MainApplication.java

```
379      System.out.print("ENTER THE AGE OF CONSTRUCTION IN YEARS: ");
380      ageOfConstruction = scanner.nextInt();
381      if (ageOfConstruction <= 0) {
382          throw new IllegalArgumentException("Error: Age of construction must be a positive number");
383      }
384      } catch (InputMismatchException e) {
385          System.out.println("Error: Invalid input. Please enter a valid number.");
386          scanner.next(); // clear the scanner buffer
387      } catch (IllegalArgumentException e) {
```

Task List

Find All Element

Type here to search

(10) WhatsApp and... eclipse-workspace ...

31°C Sunny

ENG IN 12:28 PM 4/5/2024



eclipse-workspace - Java-fsd/src/finalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Console

<terminated> MainApplication [Java Application] C:\Users\AVI\p2\pooft\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\javaw.exe (Apr 5, 2024, 12:12:58 PM - 12:24:00 PM)

4. EXIT  
Enter your choice: 3

SR.NO.	PARTICULAR	QUANTITY	TAX
1	PROPERTIES	3	5950062.5
2	VEHICLES	3	23681.0
TOTAL		6	5973743.50

Main Menu:  
1. PROPERTY TAX  
2. VEHICLE TAX  
3. TOTAL  
4. EXIT  
Enter your choice: 4  
Exiting application...

Vehicle.java Property.java TaxCalculator.java StorageManager.java UserInterface.java MainApplication.java

```
379     System.out.print("ENTER THE AGE OF CONSTRUCTION IN YEARS: ");
380     ageOfConstruction = scanner.nextInt();
381     if (ageOfConstruction <= 0) {
382         throw new IllegalArgumentException("Error: Age of construction must be a positive number");
383     }
384 } catch (InputMismatchException e) {
385     System.out.println("Error: Invalid input. Please enter a valid number.");
386     scanner.next(); // clear the scanner buffer
387 } catch (IllegalArgumentException e) {
```

Task List

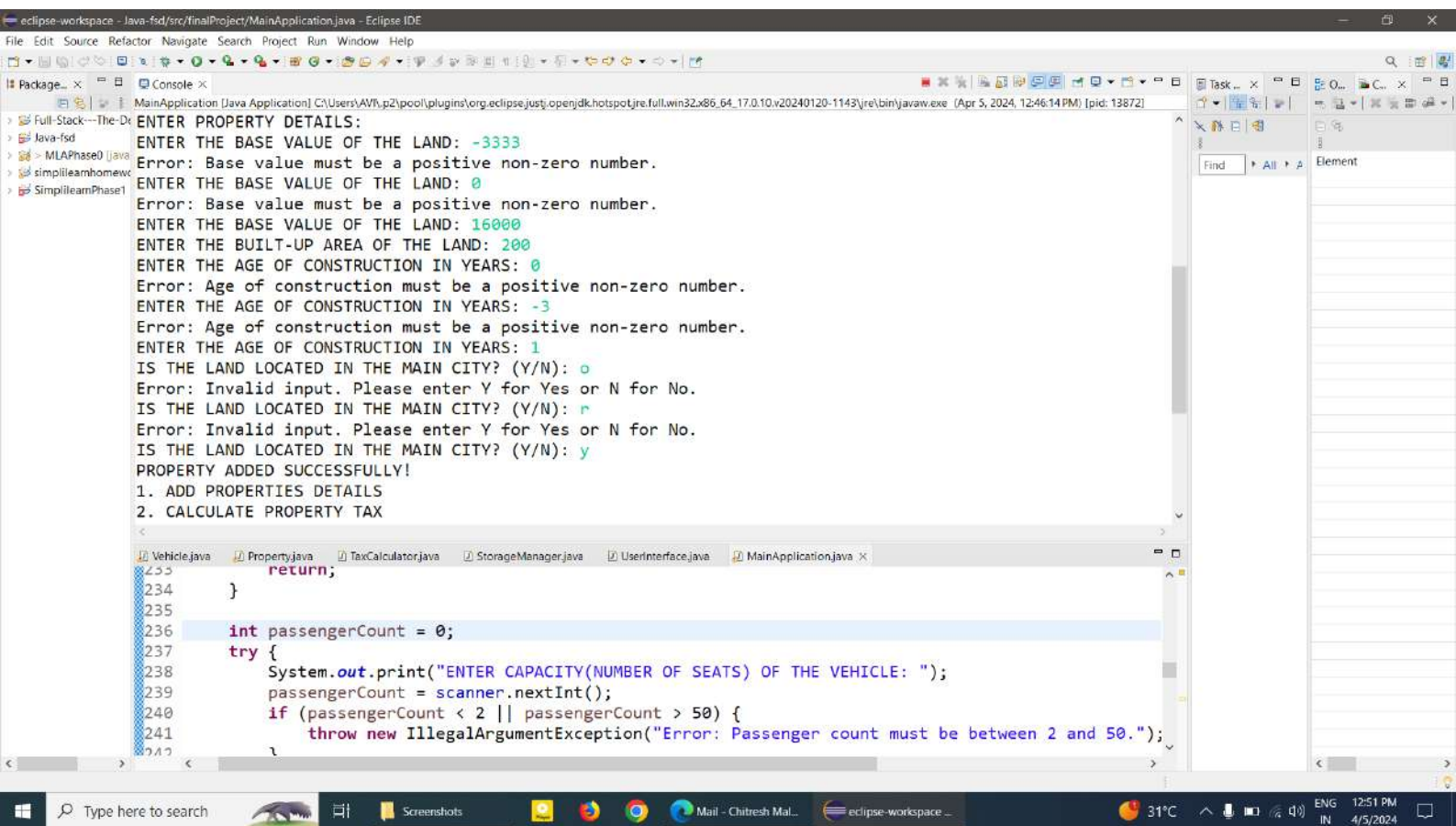
Find All Element

Type here to search

31°C Sunny

ENG IN 12:29 PM 4/5/2024





eclipse-workspace - Java-fsd/src/FinalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Console

MainApplication [Java Application] C:\Users\AVI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\javaw.exe (Apr 5, 2024, 12:46:14 PM) [pid: 13872]

```
Error: Invalid input. Please enter Y for Yes or N for No.
IS THE LAND LOCATED IN THE MAIN CITY? (Y/N): n
Error: Invalid input. Please enter Y for Yes or N for No.
IS THE LAND LOCATED IN THE MAIN CITY? (Y/N): y
PROPERTY ADDED SUCCESSFULLY!
1. ADD PROPERTIES DETAILS
2. CALCULATE PROPERTY TAX
3. DISPLAY ALL PROPERTIES
4. BACK TO MAIN MENU
3
```

ID	BUILT-UP AREA	BASE PRICE	AGE (YEARS)	IN CITY	PROPERTY TAX
1.0	200.0	16000.0	1.0	Y	3200100.0

```
1. ADD PROPERTIES DETAILS
2. CALCULATE PROPERTY TAX
3. DISPLAY ALL PROPERTIES
4. BACK TO MAIN MENU
```

Vehicle.java Property.java TaxCalculator.java StorageManager.java UserInterface.java MainApplication.java

```
233     return;
234 }
235
236 int passengerCount = 0;
237 try {
238     System.out.print("ENTER CAPACITY(NUMBER OF SEATS) OF THE VEHICLE: ");
239     passengerCount = scanner.nextInt();
240     if (passengerCount < 2 || passengerCount > 50) {
241         throw new IllegalArgumentException("Error: Passenger count must be between 2 and 50.");
242     }
243 }
```

Type here to search | Screenshots | Mail - Chitresh Mal... | eclipse-workspace... | 31°C | ENG IN | 12:51 PM 4/5/2024

eclipse-workspace - Java-fsd/src/FinalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Console

MainApplication [Java Application] C:\Users\AVI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\javaw.exe (Apr 5, 2024, 12:46:14 PM) [pid: 13872]

Full-Stack---The-D...  
Java-fsd  
MLAPhase0 [Java]  
simplilearnhomew...  
SimplilearnPhase1

Main Menu:  
1. PROPERTY TAX  
2. VEHICLE TAX  
3. TOTAL  
4. EXIT  
Enter your choice: 2  
1. ADD VEHICLE DETAILS  
2. CALCULATE VEHICLE TAX  
3. DISPLAY ALL VEHICLES  
4. BACK TO MAIN MENU  
1

ENTER VEHICLE DETAILS:  
ENTER THE VEHICLE REGISTRATION NUMBER: 56666  
Error: Registration number must be a 4-digit positive number.  
1. ADD VEHICLE DETAILS  
2. CALCULATE VEHICLE TAX  
3. DISPLAY ALL VEHICLES  
4. BACK TO MAIN MENU

Vehicle.java Property.java TaxCalculator.java StorageManager.java UserInterface.java MainApplication.java

```
233     return;  
234 }  
235  
236 int passengerCount = 0;  
237 try {  
238     System.out.print("ENTER CAPACITY(NUMBER OF SEATS) OF THE VEHICLE: ");  
239     passengerCount = scanner.nextInt();  
240     if (passengerCount < 2 || passengerCount > 50) {  
241         throw new IllegalArgumentException("Error: Passenger count must be between 2 and 50.");  
242     }  
243 }
```

Task List Outline

Find All Element

Type here to search

Mail - Chitresh Mal...

eclipse-workspace ...

31°C Sunny

ENG IN

12:54 PM

4/5/2024

eclipse-workspace - Java-fsd/src/FinalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Console

MainApplication [Java Application] C:\Users\AVI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\javaw.exe (Apr 5, 2024, 12:46:14 PM) [pid: 13872]

```
ENTER VEHICLE DETAILS:
ENTER THE VEHICLE REGISTRATION NUMBER: 2343
ENTER THE BRAND OF THE VEHICLE: yamaha
ENTER THE MAXIMUM VELOCITY OF THE VEHICLE (KMPH): 100
Error: Invalid input. Please enter a valid number.
1. ADD VEHICLE DETAILS
2. CALCULATE VEHICLE TAX
3. DISPLAY ALL VEHICLES
4. BACK TO MAIN MENU
1

ENTER VEHICLE DETAILS:
ENTER THE VEHICLE REGISTRATION NUMBER: 2344
ENTER THE BRAND OF THE VEHICLE: yamaha
ENTER THE MAXIMUM VELOCITY OF THE VEHICLE (KMPH): 122
ENTER CAPACITY(NUMBER OF SEATS) OF THE VEHICLE: 1
Error: Invalid input. Please enter a valid number.
1. ADD VEHICLE DETAILS
2. CALCULATE VEHICLE TAX
```

Vehicle.java Property.java TaxCalculator.java StorageManager.java UserInterface.java MainApplication.java

```
233     return;
234 }
235
236 int passengerCount = 0;
237 try {
238     System.out.print("ENTER CAPACITY(NUMBER OF SEATS) OF THE VEHICLE: ");
239     passengerCount = scanner.nextInt();
240     if (passengerCount < 2 || passengerCount > 50) {
241         throw new IllegalArgumentException("Error: Passenger count must be between 2 and 50.");
242     }
243 }
```

Type here to search

31°C Sunny 12:58 PM 4/5/2024

eclipse-workspace - Java-fsd/src/FinalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Console

MainApplication [Java Application] C:\Users\AVI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\javaw.exe (Apr 5, 2024, 12:46:14 PM) [pid: 13872]

```
1
ENTER VEHICLE DETAILS:
ENTER THE VEHICLE REGISTRATION NUMBER: 2233
ENTER THE BRAND OF THE VEHICLE: yamaha
ENTER THE MAXIMUM VELOCITY OF THE VEHICLE (KMPH): 133
ENTER CAPACITY(NUMBER OF SEATS) OF THE VEHICLE: 3
CHOOSE THE TYPE OF THE VEHICLE:
1. PETROL DRIVEN
2. DIESEL DRIVEN
3. CNG/LPG DRIVEN
1
ENTER THE PURCHASE COST OF THE VEHICLE: 48000
Error: Invalid input. Please enter a valid number.
1. ADD VEHICLE DETAILS
2. CALCULATE VEHICLE TAX
3. DISPLAY ALL VEHICLES
4. BACK TO MAIN MENU
```

Vehicle.java Property.java TaxCalculator.java StorageManager.java UserInterface.java MainApplication.java

```
233     return;
234 }
235
236 int passengerCount = 0;
237 try {
238     System.out.print("ENTER CAPACITY(NUMBER OF SEATS) OF THE VEHICLE: ");
239     passengerCount = scanner.nextInt();
240     if (passengerCount < 2 || passengerCount > 50) {
241         throw new IllegalArgumentException("Error: Passenger count must be between 2 and 50.");
242     }
243 }
```

Type here to search 31°C Sunny ENG IN 12:59 PM 4/5/2024



eclipse-workspace - Java-fsd/src/FinalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Console

MainApplication [Java Application] C:\Users\AVI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\javaw.exe (Apr 5, 2024, 12:46:14 PM) [pid: 13872]

```
4. BACK TO MAIN MENU
1
ENTER VEHICLE DETAILS:
ENTER THE VEHICLE REGISTRATION NUMBER: 2233
ENTER THE BRAND OF THE VEHICLE: yamaha
ENTER THE MAXIMUM VELOCITY OF THE VEHICLE (KMPH): 133
ENTER CAPACITY(NUMBER OF SEATS) OF THE VEHICLE: 3
CHOOSE THE TYPE OF THE VEHICLE:
1. PETROL DRIVEN
2. DIESEL DRIVEN
3. CNG/LPG DRIVEN
1
ENTER THE PURCHASE COST OF THE VEHICLE: 88000
VEHICLE ADDED SUCCESSFULLY!
1. ADD VEHICLE DETAILS
2. CALCULATE VEHICLE TAX
3. DISPLAY ALL VEHICLES
4. BACK TO MAIN MENU
```

Vehicle.java Property.java TaxCalculator.java StorageManager.java UserInterface.java MainApplication.java

```
233     return;
234 }
235
236 int passengerCount = 0;
237 try {
238     System.out.print("ENTER CAPACITY(NUMBER OF SEATS) OF THE VEHICLE: ");
239     passengerCount = scanner.nextInt();
240     if (passengerCount < 2 || passengerCount > 50) {
241         throw new IllegalArgumentException("Error: Passenger count must be between 2 and 50.");
242     }
243 }
```

Type here to search 31°C Sunny ENG IN 1:00 PM 4/5/2024

eclipse-workspace - Java-fsd/src/FinalProject/MainApplication.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Console

MainApplication [Java Application] C:\Users\AVI\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.10.v20240120-1143\jre\bin\javaw.exe (Apr 5, 2024, 12:46:14 PM) [pid: 13872]

```
2. DIESEL DRIVEN
3. CNG/LPG DRIVEN
1
ENTER THE PURCHASE COST OF THE VEHICLE: 88000
VEHICLE ADDED SUCCESSFULLY!
1. ADD VEHICLE DETAILS
2. CALCULATE VEHICLE TAX
3. DISPLAY ALL VEHICLES
4. BACK TO MAIN MENU
3
=====
REGISTRATION NO.      BRAND      MAX. VELOCITY      NO. OF SEATS      VEHICLE TYPE      PURCHASE COST      VEHICLE T
=====
2233                  yamaha          133.0              3                Petrol  88000.0          8936.0
=====
1. ADD VEHICLE DETAILS
2. CALCULATE VEHICLE TAX
3. DISPLAY ALL VEHICLES
4. BACK TO MAIN MENU
```

Vehicle.java Property.java TaxCalculator.java StorageManager.java UserInterface.java MainApplication.java

```
233         return;
234     }
235
236     int passengerCount = 0;
237     try {
238         System.out.print("ENTER CAPACITY(NUMBER OF SEATS) OF THE VEHICLE: ");
239         passengerCount = scanner.nextInt();
240         if (passengerCount < 2 || passengerCount > 50) {
241             throw new IllegalArgumentException("Error: Passenger count must be between 2 and 50.");
242         }
243     } catch (Exception e) {
244         System.out.println("Invalid input. Please enter a valid number between 2 and 50.");
245     }
```

Type here to search

31°C Sunny 1:00 PM 4/5/2024