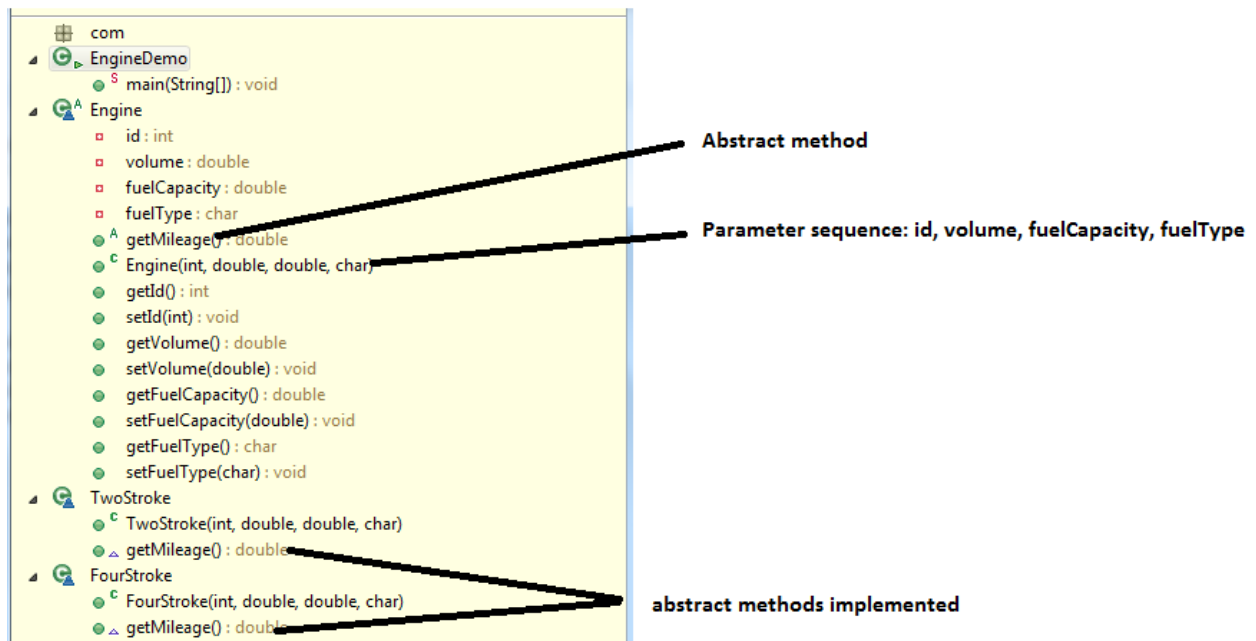Create package com.

Create classes as per below outline:

Fuel type value should be either 'g' or 'd' ('g' indicating that engine runs on gas and 'd' indicates that engine runs on diesel. Validation is not required. Just specify value as 'd' or 'g').

Mileage calculation formula:

Two Stroke Engine:

Gas:

Mileage = volume*2*3/1000 + fuelCapacity/2

Diesel:

Mileage = volume*2*2/1000 + fuelCapacity/4
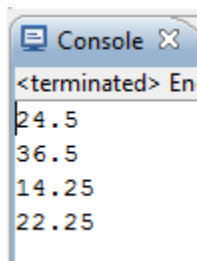
Four Stroke Engine:

Gas:

Mileage = volume*4*3/1000 + fuelCapacity/2

Diesel:

Mileage = volume*4*2/1000 + fuelCapacity/4

Try below code from main method and verify the output:

```java
public static void main(String[] args) {
    // TODO Auto-generated method stub

    Engine e1 = new TwoStroke(1, 2000, 25, 'g');
    Engine e2 = new FourStroke(2, 2000, 25, 'g');
    Engine e3 = new TwoStroke(3, 2000, 25, 'd');
    Engine e4 = new FourStroke(4, 2000, 25, 'd');

    System.out.println(e1.getMileage());
    System.out.println(e2.getMileage());
    System.out.println(e3.getMileage());
    System.out.println(e4.getMileage());
```

Output:

```
Console ☒
<terminated> En
24.5
36.5
14.25
22.25
```

Once done, submit the solution files over iAscert.