

Submit the files into Lab1 Assignment under Assessments

Given a **Lab1.java** program and partial **Automobile.java** class, create a sub-class called **SUV.java** with a super constructor that initializes the attributes of the **Automobile** class as well as new attributes of the following types:

- int for number of passengers: *numPass*
- double for cargo space: *cargoSpc*

Do not change anything in the **Lab1.java** file. Within the **Automobile** class, expand the *printInfo()* method to print the text shown below. (*make, model, year, numWheels*). Next, create a subclass **SUV.java** that overrides the **Automobile's** *printInfo()* method and adds printing for the *numPass*, and *cargoSpc*.

Read the comments in **Automobile.java** file. The **Lab1.java** program has hardcoded the data for constructing an **Automobile** and an **SUV** object.

```
Porsche
911 ST
2025
4
```

```
Subaru
Trek
2025
4
5
6.7
```

the output from **Automobile** class is:

```
The programmer is: Dr. Johnson
```

```
Make: Porsche
Model: 911 ST
Year: 2025
Number of Wheels: 4
```

the output from **SUV** class is:

```
The programmer is: Dr. Johnson
```

```
Make: Subaru
Model: Trek
Year: 2025
Number of Wheels: 4
Passengers: 5
Cargo space: 6.7
```

UPLOAD: your **Automobile.java** and **SUV.java** file (with '.java' extension), then a screen shot of the VS code output as a graphic file type: PNG, JPEG, PDF, GIF, SVN