

### Output for Exercise1

The image shows a Windows desktop with a Visual Studio Code (VS Code) editor window open. The editor is running on a WSL (Windows Subsystem for Linux) Ubuntu environment. The Explorer sidebar on the left shows a file tree for a project named 'EXERCISE1 (WSL: UBUNTU)'. The files listed are 'BubbleSort.java', 'Course.java', 'InsertionSort.java', 'main.java', 'SelectionSort.java', and 'SortStrategy.java'. The main editor area displays the code for 'main.java'. The code includes comments and code for initializing variables, declaring a new course object, and using Bubble Sort, Selection Sort, and Insertion Sort. The Output window at the bottom shows the execution results of these sorting algorithms, displaying course titles and student lists. The status bar at the bottom indicates 'WSL: Ubuntu' and 'Live Share'.

### Output for Exercise 2

The image shows a Windows desktop with a Visual Studio Code (VS Code) editor window open. The title bar of the window reads "main.java - Exercise2 [WSL: Ubuntu] - Visual Studio Code". The editor is displaying a Java file named "main.java" with the following code:

```
1 //declaring a new ticket with an Australian AgeStrategy and an Adult TaxStrategy
2
3
4 public static void main(String[] args){
5     //declaring a new ticket with an Australian AgeStrategy and an Adult TaxStrategy
6     TicketSales ticket1 = new TicketSales(new Australia(), new Adult());
7     //initializing a variable with the getPrice function of Ticket1
8     double price = ticket1.getPrice();
9     //printing out the price
10    System.out.println("The price is: $" + price);
}
```

The left sidebar shows the Explorer view with a file tree for "EXERCISE2 [WSL: UBUNTU]". It lists several Java files: "Adult.java", "AgeStrategy.java", "Australia.java", "Canada.java", "Child.java", "main.java" (which is selected and highlighted), "Senior.java", "TaxStrategy.java", "TicketSales.java", and "UnitedStates.java". Below the Explorer, there are tabs for "OUTLINE", "TIMELINE", and "JAVA PROJECTS". The bottom status bar shows "WSL: Ubuntu" and "Live Share". The output window on the right shows the execution of the program, with the command "root@DESKTOP-0FASVF7:~/COSC330/Lab03/Exercise2# ./usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -cp /root/.vscode-server/data/User/workspaceStorage/53af153cebddad05899d4293d9a740a/redhat.java/jdt\_ws/Exercise2\_c6d41c22/bin main" and the output "The price is: \$9.9", "The price is: \$5.5", "The price is: \$5.3", and "The price is: \$8.05". The bottom of the screen shows the Windows taskbar with various icons and the system clock indicating 5:43 PM on 9/28/2022.