

Week 1 Homework Q24

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CE480 - Java and Internet Application

Dr. Chang, Henry

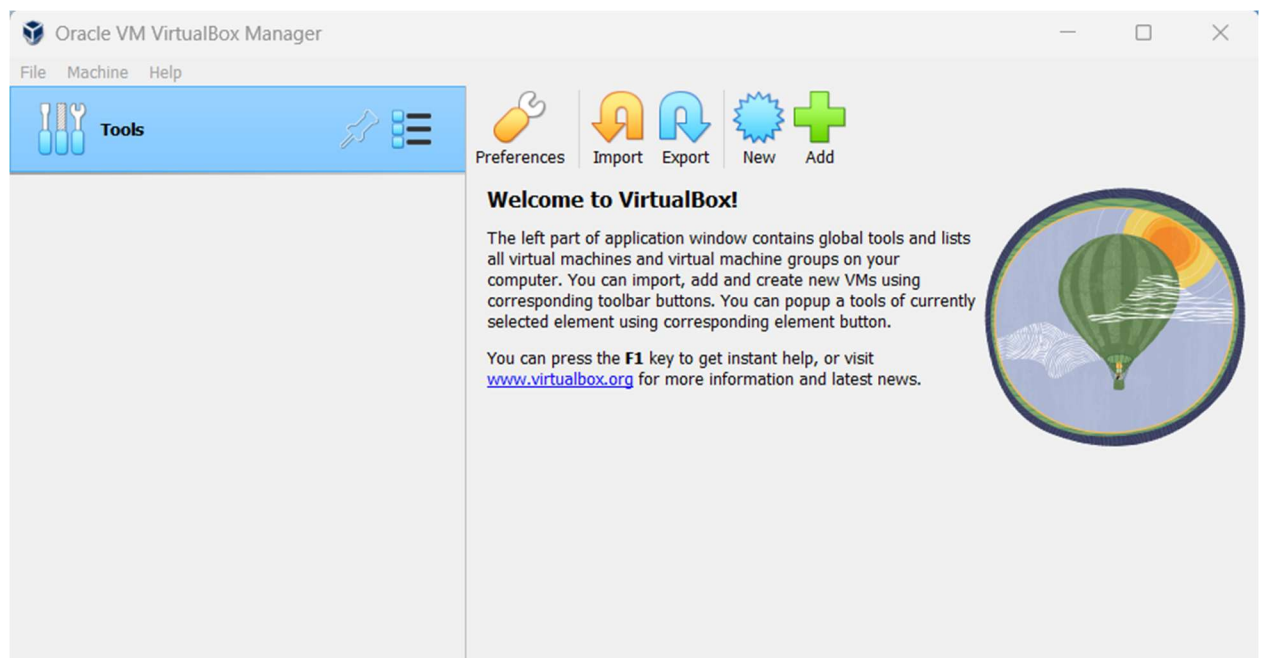
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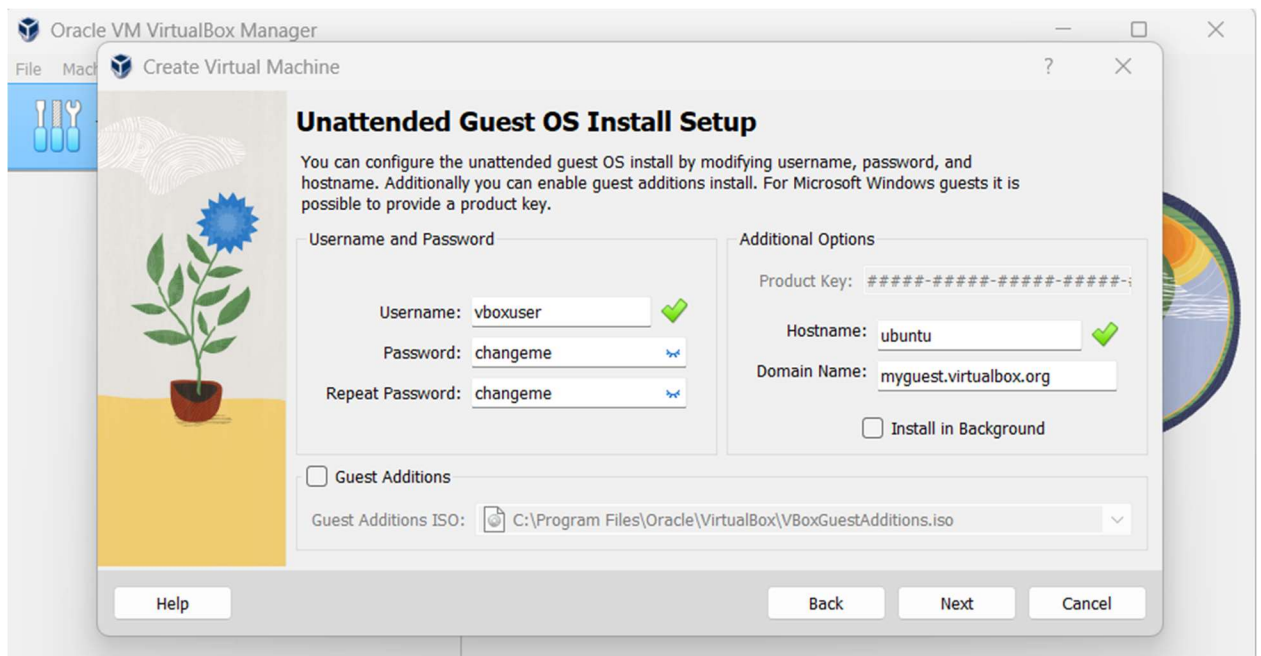
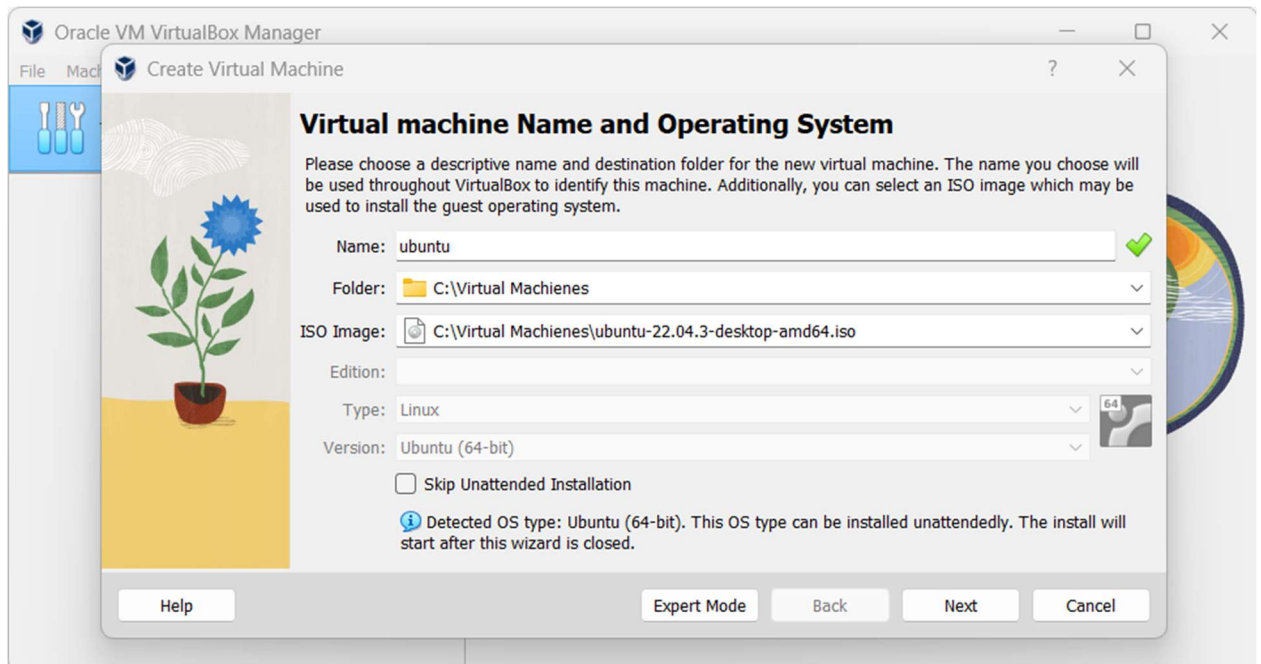
Author Note

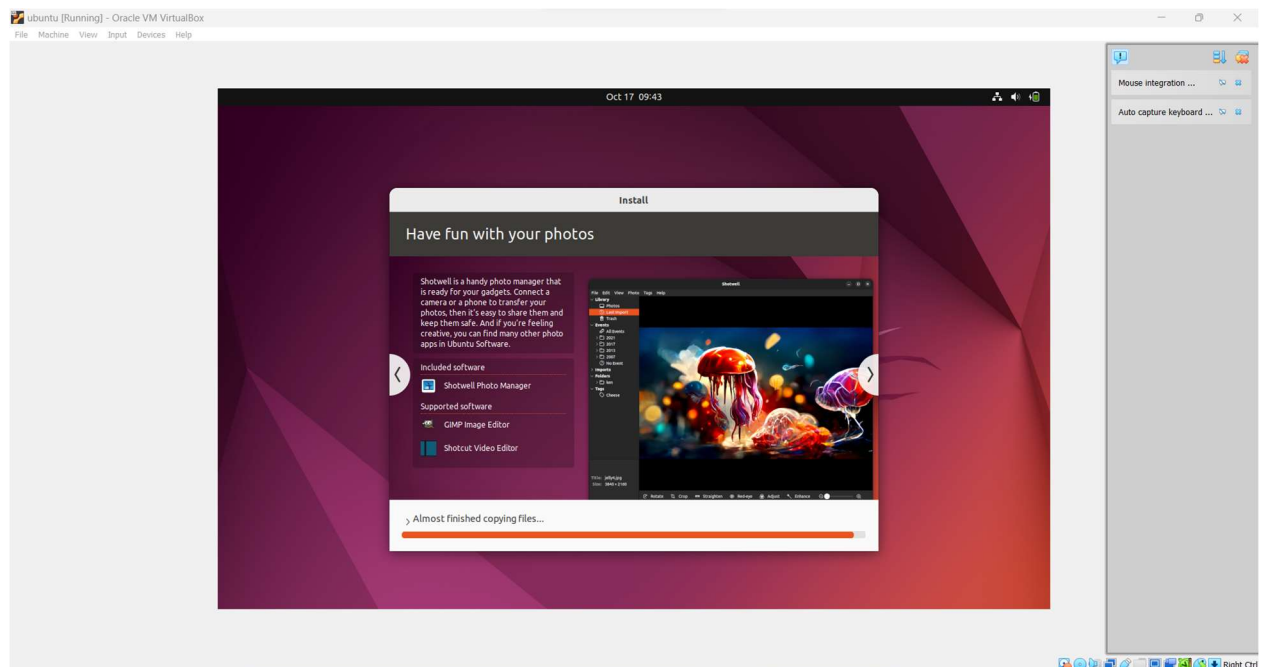
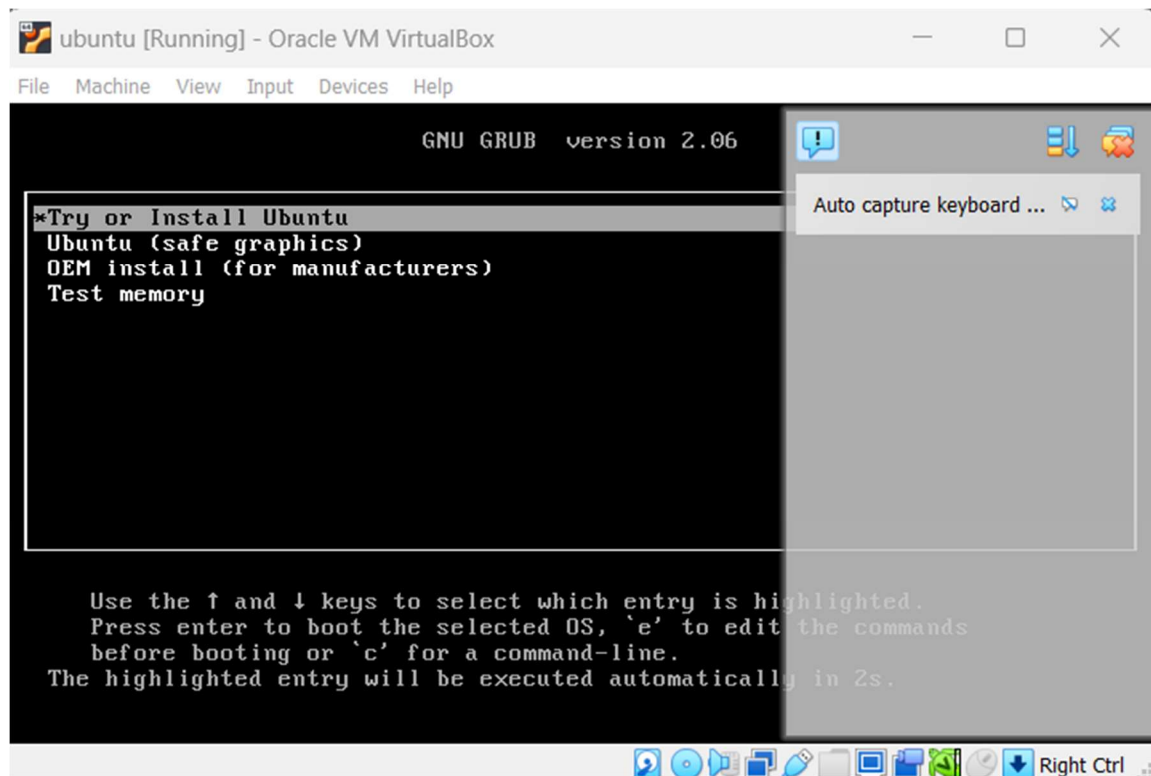
The Question

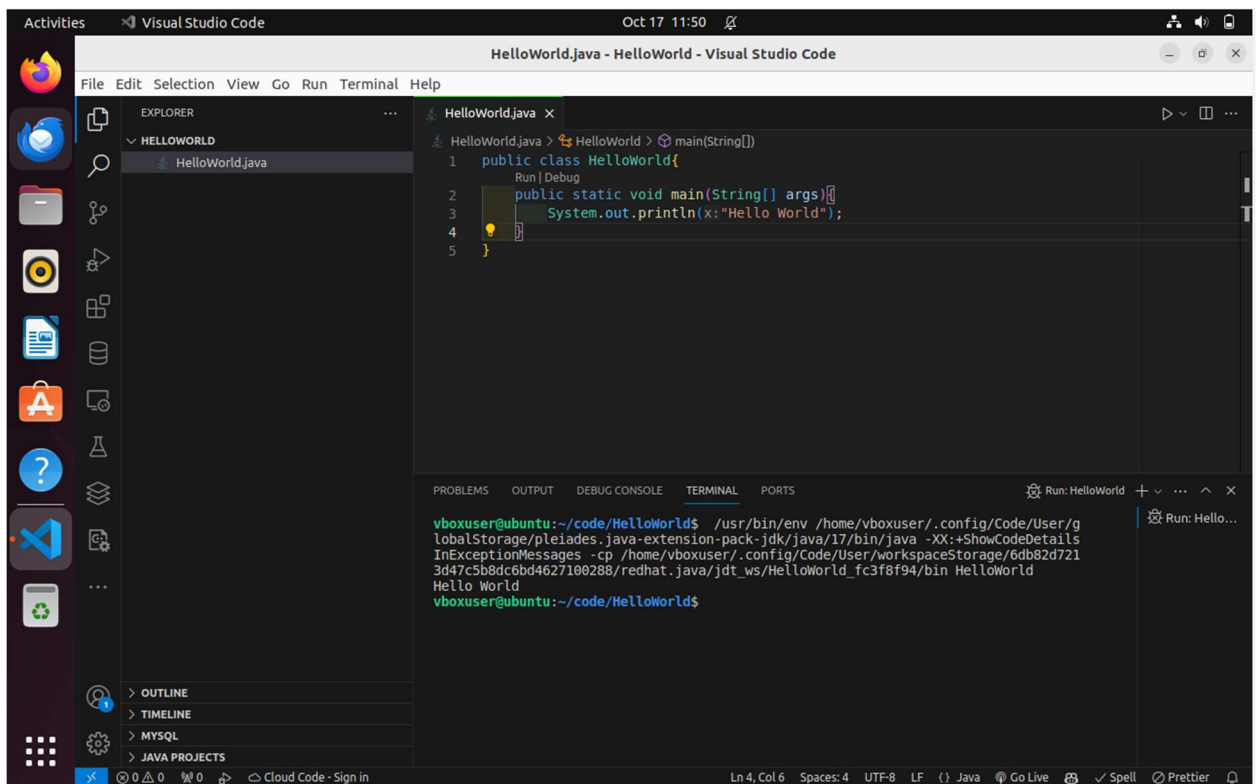
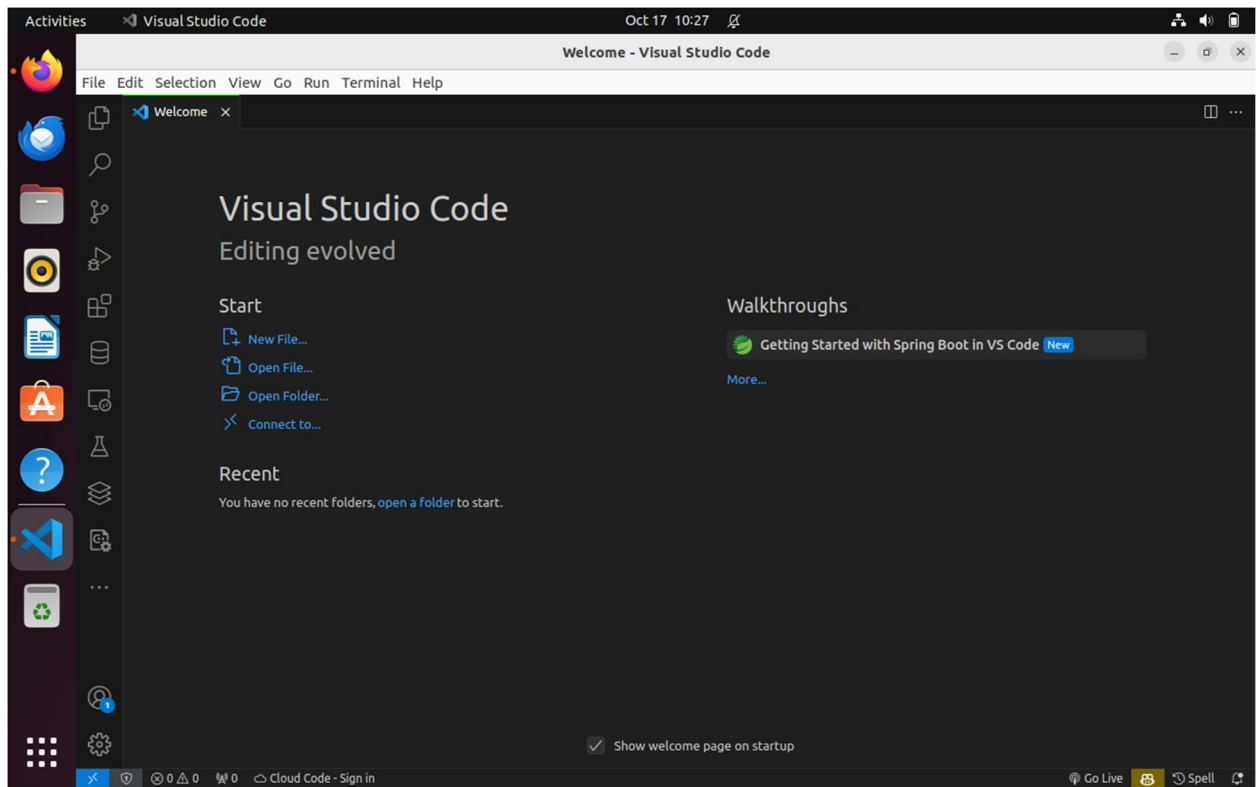
Java on Ubuntu

1. [Set up Ubuntu](#)
 - You can skip this step if you use Macbook PC because Mac OS is UNIX-based.
2. [Install JDK](#)
3. [Set up PATH](#)
4. [Compile and Run 'Hello World'](#)
5. [Switch two numbers](#)





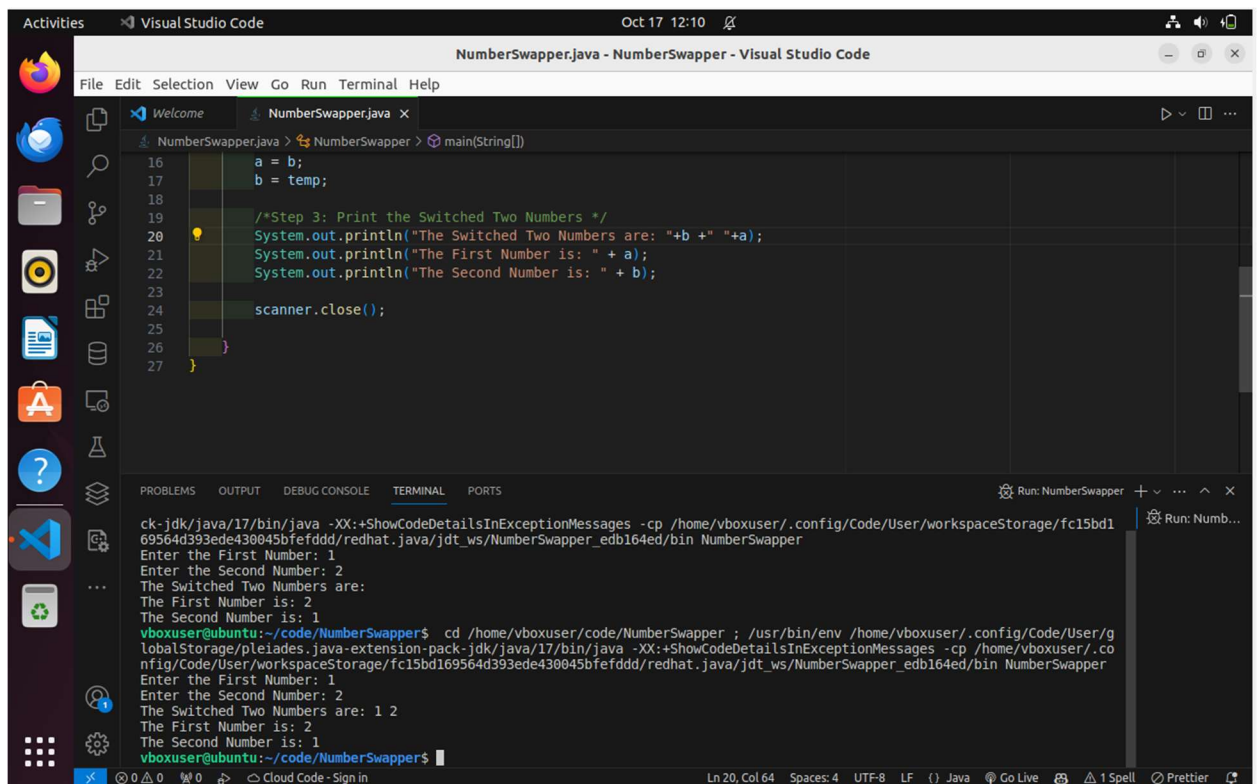




```

public class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello World!");
    }
}

```



The screenshot shows the Visual Studio Code editor with the file `NumberSwapper.java` open. The code in the editor is as follows:

```

16     a = b;
17     b = temp;
18
19     /*Step 3: Print the Switched Two Numbers */
20     System.out.println("The Switched Two Numbers are: "+b + " "+a);
21     System.out.println("The First Number is: " + a);
22     System.out.println("The Second Number is: " + b);
23
24     scanner.close();
25
26 }
27

```

The terminal output shows the execution of the program:

```

ck-jdk/java/17/bin/java -XX:+ShowCodeDetailsInExceptionMessages -cp /home/vboxuser/.config/Code/User/workspaceStorage/fc15bd169564d393ede43045bfefddd/redhat.java/jdt_ws/NumberSwapper_edb164ed/bin NumberSwapper
Enter the First Number: 1
Enter the Second Number: 2
The Switched Two Numbers are:
The First Number is: 2
The Second Number is: 1
vboxuser@ubuntu:~/code/NumberSwapper$ cd /home/vboxuser/code/NumberSwapper ; /usr/bin/env /home/vboxuser/.config/Code/User/globalStorage/pleiades.java-extension-pack-jdk/java/17/bin/java -XX:+ShowCodeDetailsInExceptionMessages -cp /home/vboxuser/.config/Code/User/workspaceStorage/fc15bd169564d393ede43045bfefddd/redhat.java/jdt_ws/NumberSwapper_edb164ed/bin NumberSwapper
Enter the First Number: 1
Enter the Second Number: 2
The Switched Two Numbers are: 1 2
The First Number is: 2
The Second Number is: 1
vboxuser@ubuntu:~/code/NumberSwapper$

```

```

import java.util.Scanner;

public class NumberSwapper {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        int a, b, temp;

        /* Step 1: Read two numbers */
        System.out.print("Enter the first number: ");
    }
}

```

```
a = scanner.nextInt();
System.out.print("Enter the second number: ");
b = scanner.nextInt();

/* Step 2: Switch the two numbers */
temp = a;
a = b;
b = temp;

/* Step 3: Print the switched two numbers */
System.out.println("After swapping:");
System.out.println("First number: " + a);
System.out.println("Second number: " + b);

scanner.close();
}
}
```

Reference

https://github.com/Georgycas/CE350-Java-and-Internet-Applications/tree/main/Code/Lecture_Code/Week1/HelloWorld

https://github.com/Georgycas/CE350-Java-and-Internet-Applications/tree/main/Code/Lecture_Code/Week1/TwoNumbSwitch

<https://www.virtualbox.org/>