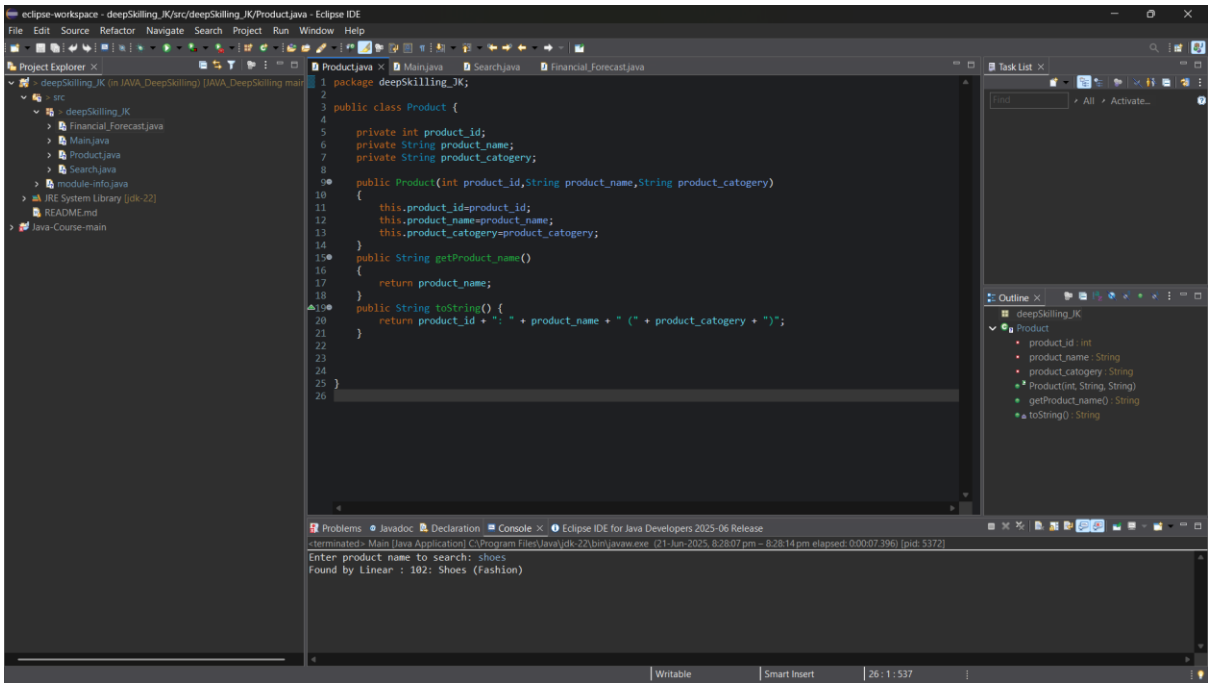
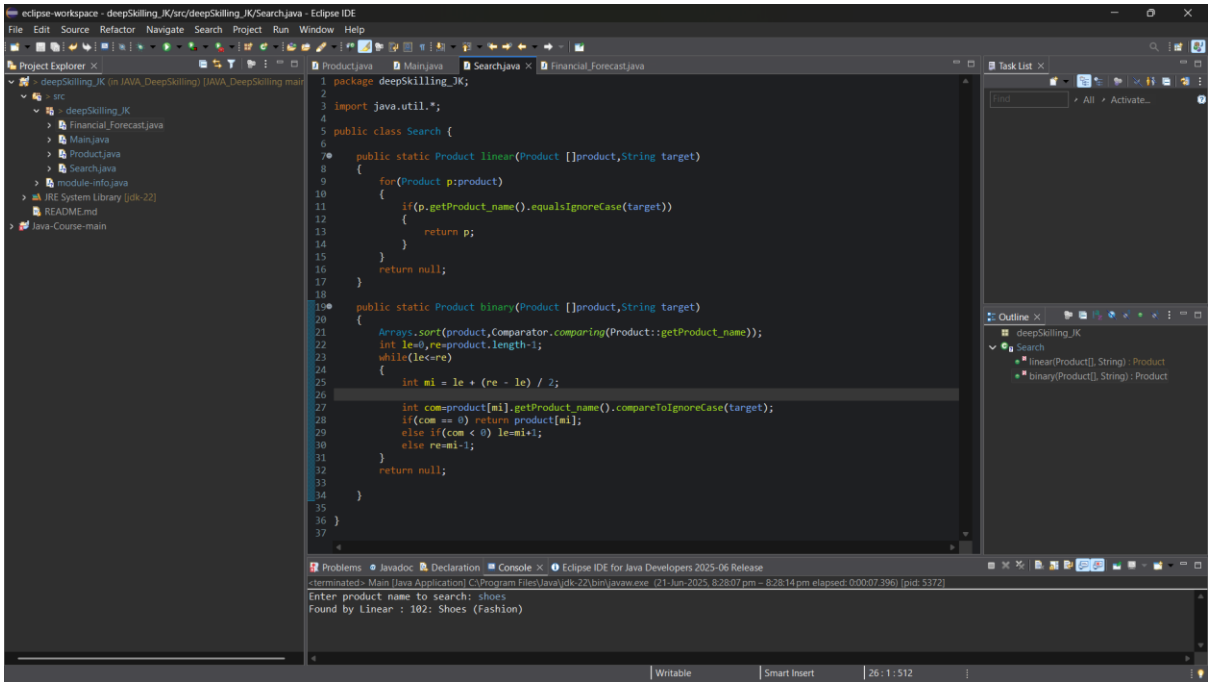
# Week - 1

## E-commerce Platform Search Function

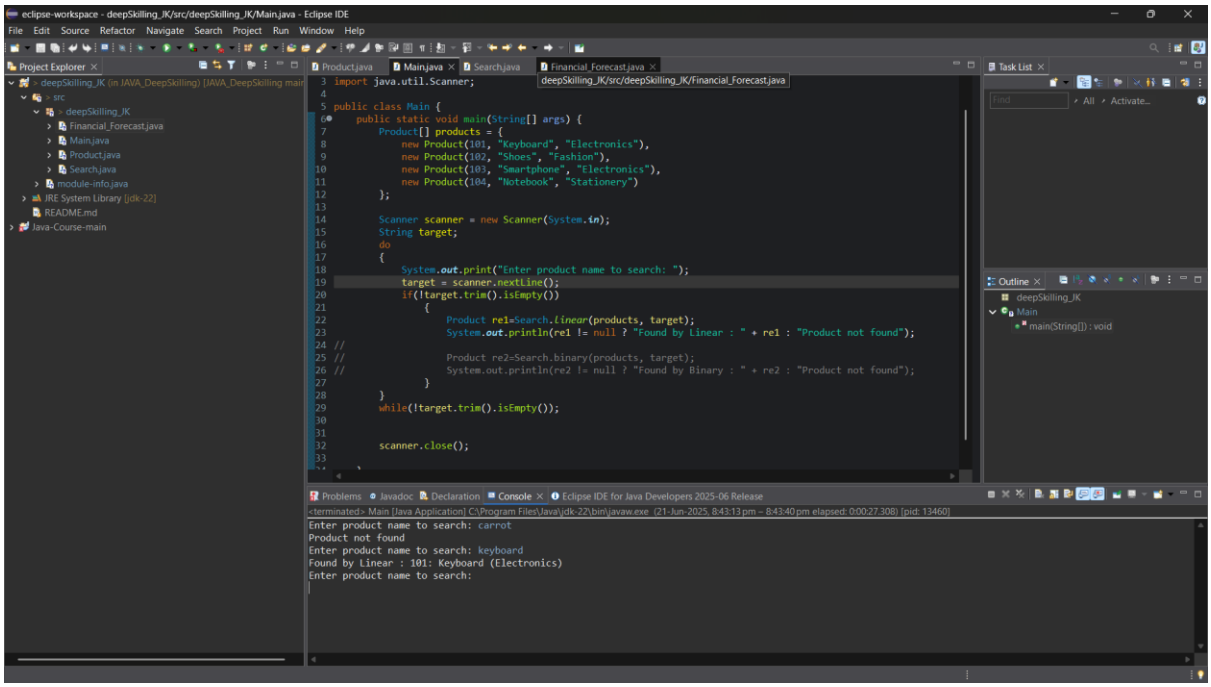
### Product.class

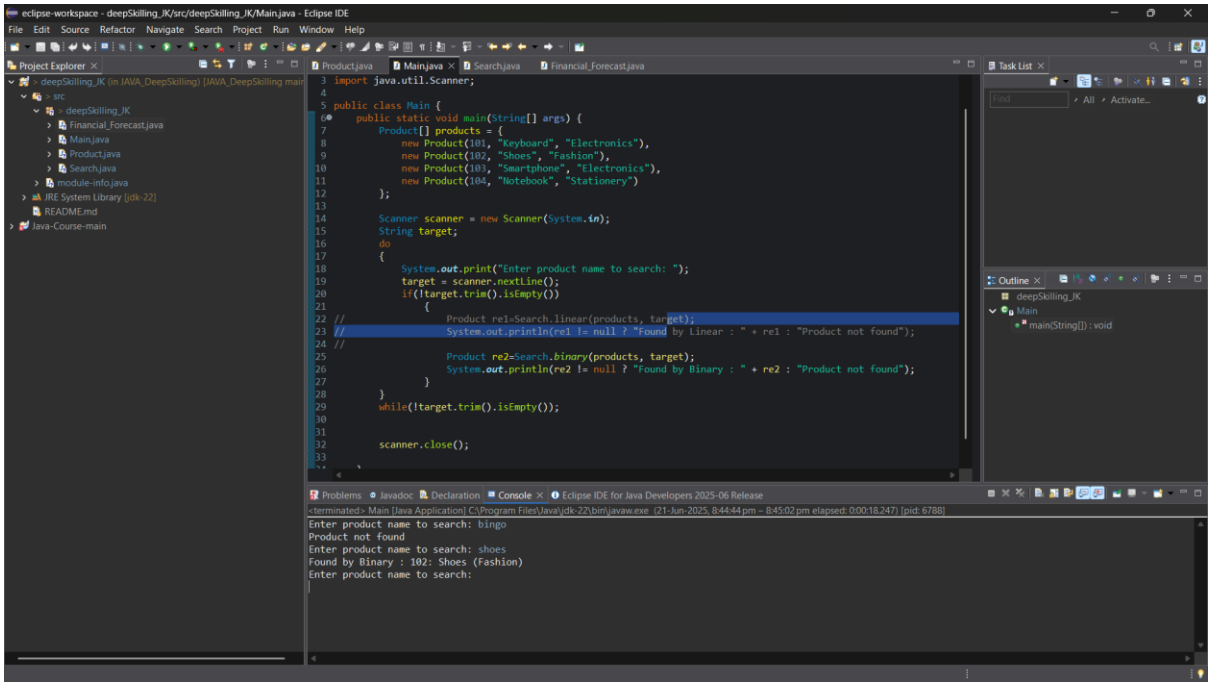



### Search.class



## Main.java


eclipse-workspace - deepSkilling_JK/src/deepSkilling_JK/Main.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
Product.java
Main.java
Search.java
Financial_Forecast.java
deepSkilling_JK/src/deepSkilling_JK/Financial_Forecast.java
Task List
Outline
deepSkilling_JK
Main
main(String[]) : void
import java.util.Scanner;
public class Main {
public static void main(String[] args) {
Product[] products = {
new Product(101, "Keyboard", "Electronics"),
new Product(102, "Shoes", "Fashion"),
new Product(103, "Smartphone", "Electronics"),
new Product(104, "Notebook", "Stationery")
};
Scanner scanner = new Scanner(System.in);
String target;
do
{
System.out.print("Enter product name to search: ");
target = scanner.nextLine();
if(!target.trim().isEmpty())
{
Product re1=Search.linear(products, target);
System.out.println(re1 != null ? "Found by Linear : " + re1 : "Product not found");
//
//
Product re2=Search.binary(products, target);
//
System.out.println(re2 != null ? "Found by Binary : " + re2 : "Product not found");
}
}
while(!target.trim().isEmpty());
scanner.close();
Problems Javadoc Declaration Console Eclipse IDE for Java Developers 2025-06 Release
<terminated> Main [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (21-Jun-2025, 8:43:13 pm – 8:43:40 pm elapsed: 0:00:27.308) [pid: 13460]
Enter product name to search: carrot
Product not found
Enter product name to search: keyboard
Found by Linear : 101: Keyboard (Electronics)
Enter product name to search: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Project Explorer
Product.java
Main.java
Search.java
Financial_Forecast.java
Task List
Outline
deepSkilling_JK
Main
main(String[]) : void
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//
Product re2=Search.binary(products, target);
System.out.println(re2 != null ? "Found by Binary : " + re2 : "Product not found");
}
}
while(!target.trim().isEmpty());
scanner.close();
Problems Javadoc Declaration Console Eclipse IDE for Java Developers 2025-06 Release
<terminated> Main [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (21-Jun-2025, 8:44:44 pm – 8:45:02 pm elapsed: 0:00:18.247) [pid: 6788]
Enter product name to search: bingo
Product not found
Enter product name to search: shoes
Found by Binary : 102: Shoes (Fashion)
Enter product name to search:

# Financial Forecasting