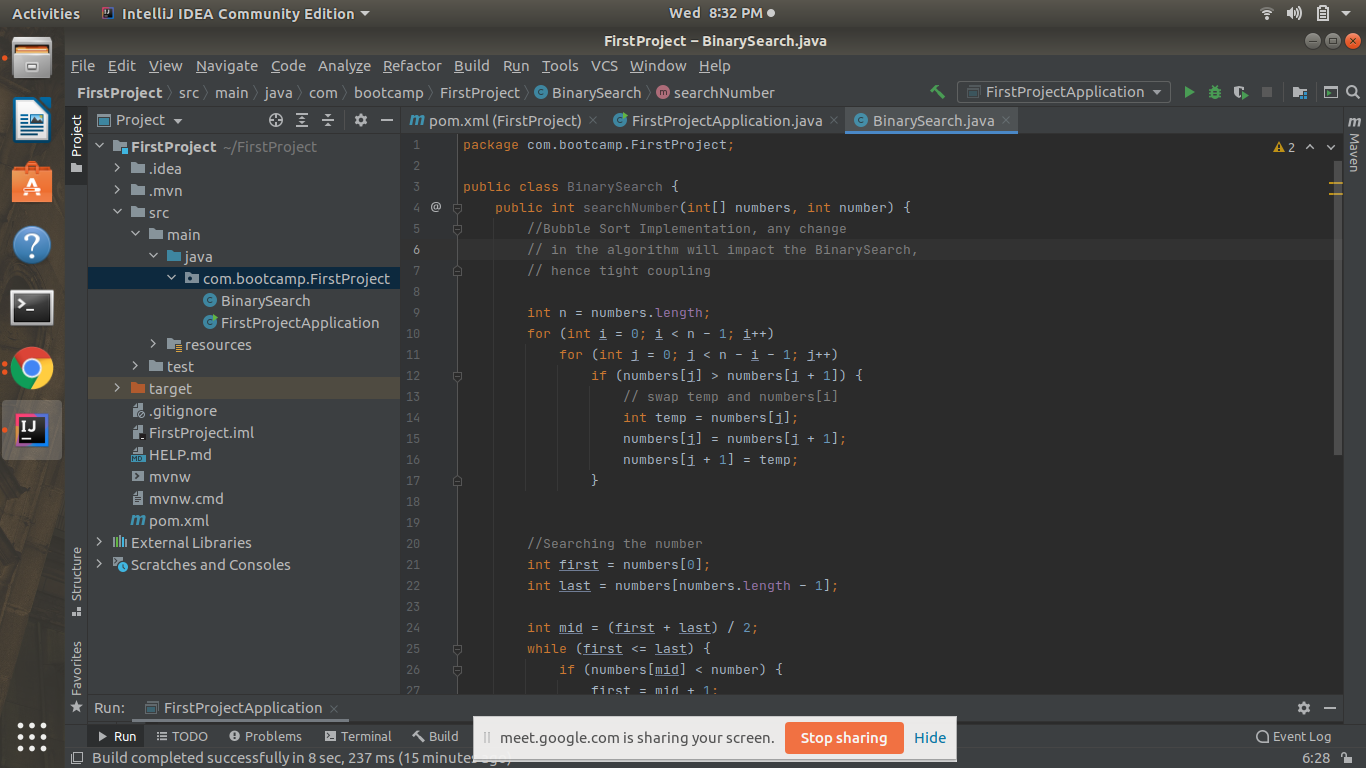
**Assignment**

**Spring Framework**

*Date-03/03/2021*

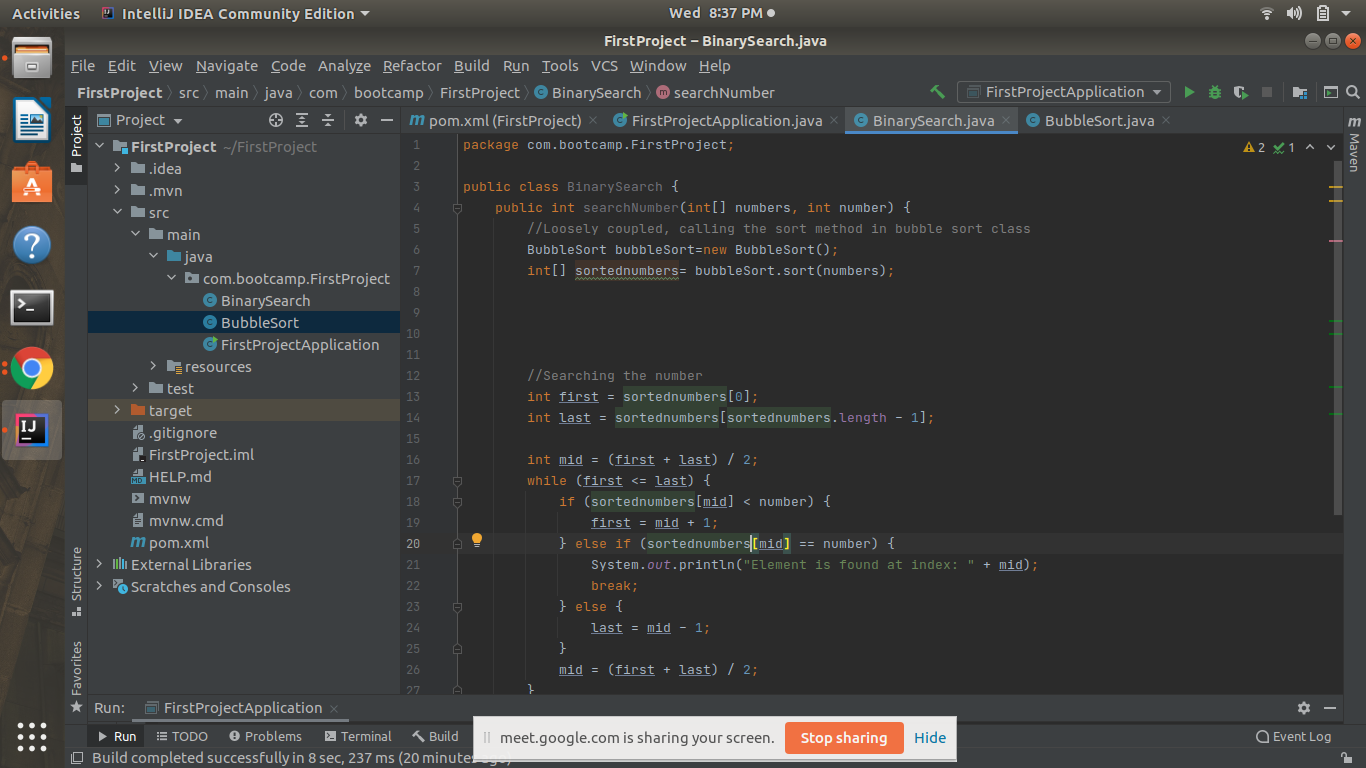
Q1)Write a program to demonstrate Tightly Coupled code

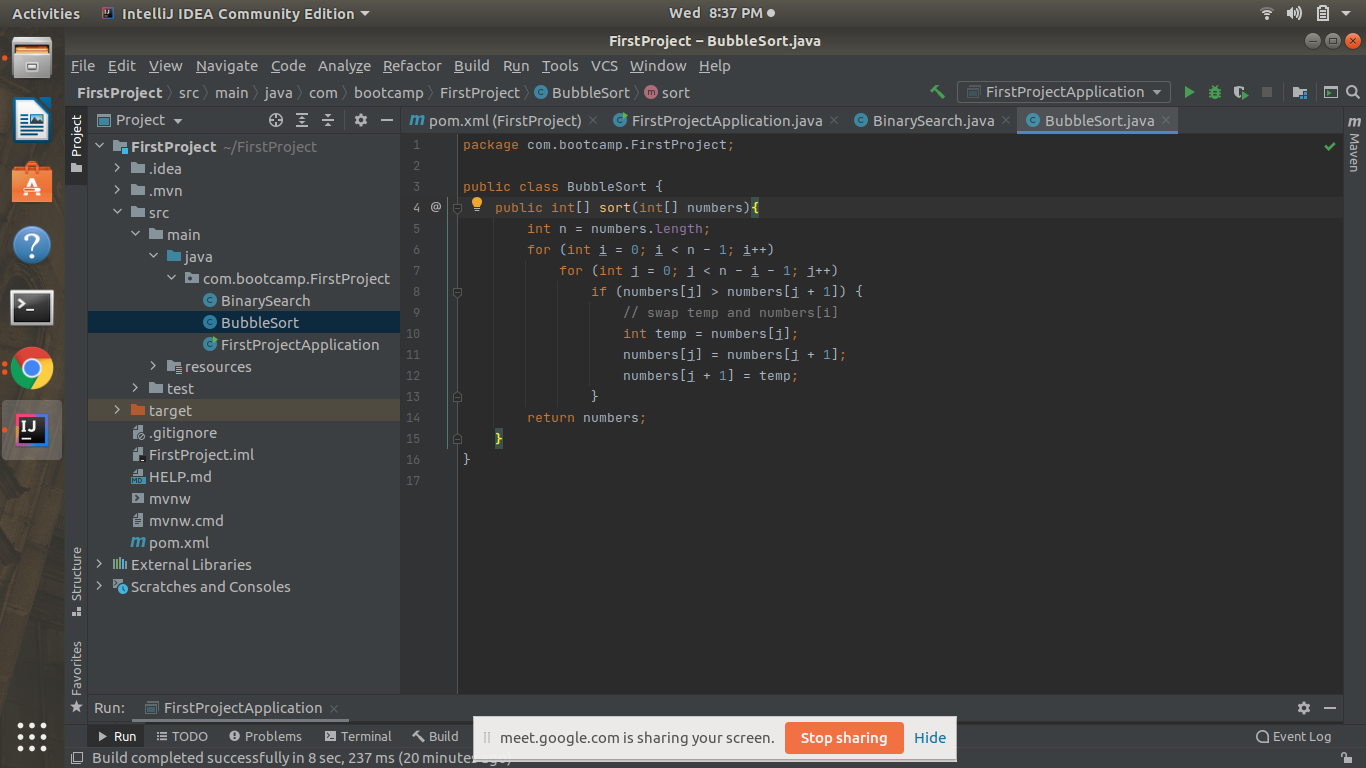
Answer-



Q2) Write a program to demonstrate Loosely Coupled code.

Answer-We create a seperate class of bubble sort and create it’s object in BinarySearch to avoid tight coupling.

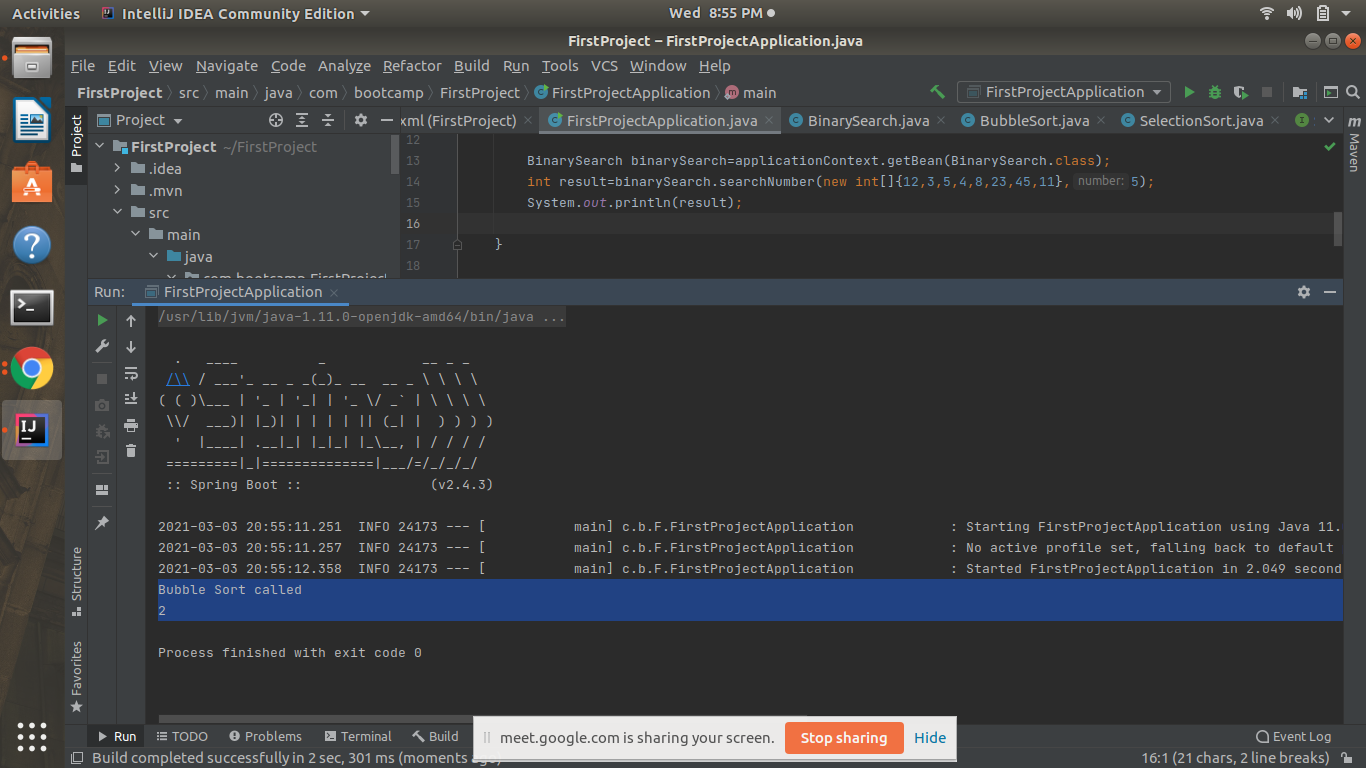




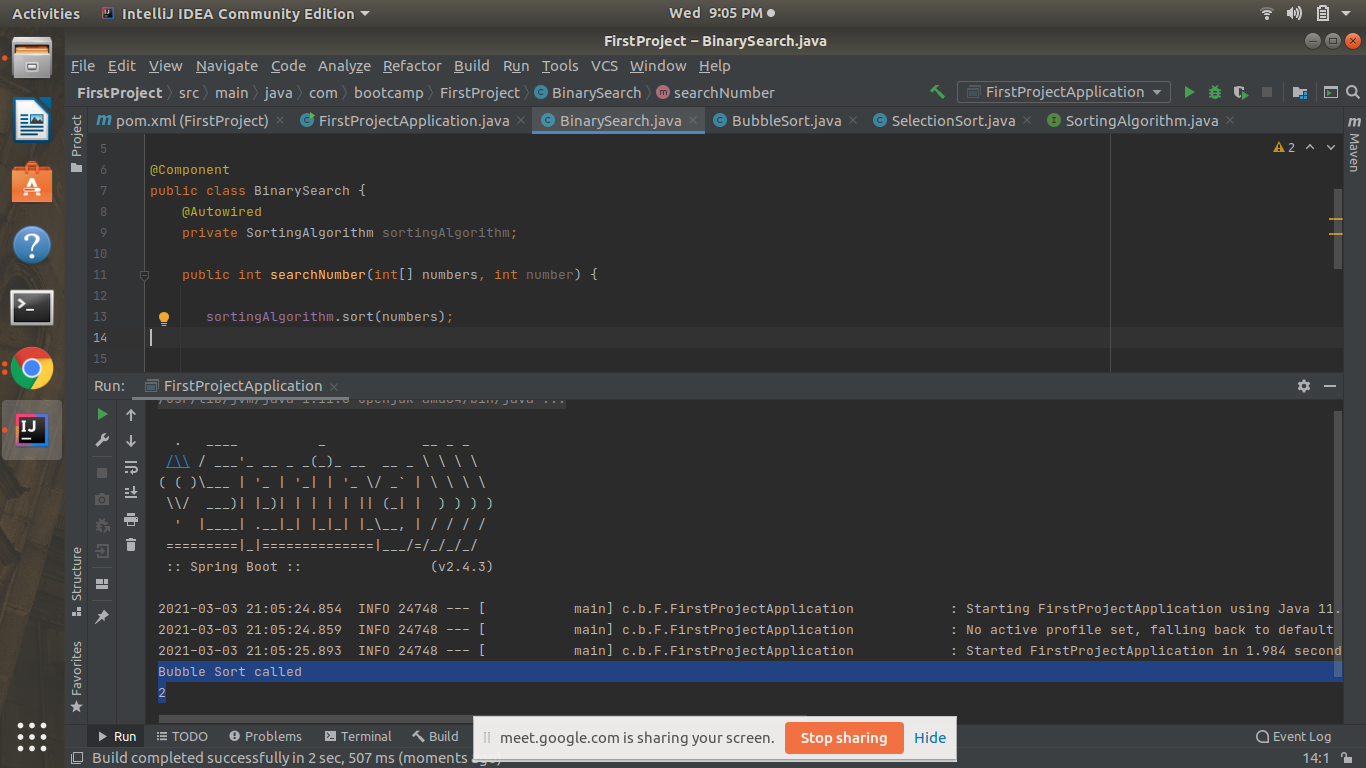
Q3)Use @Compenent and @Autowired annotations to in Loosely Coupled code for dependency management.

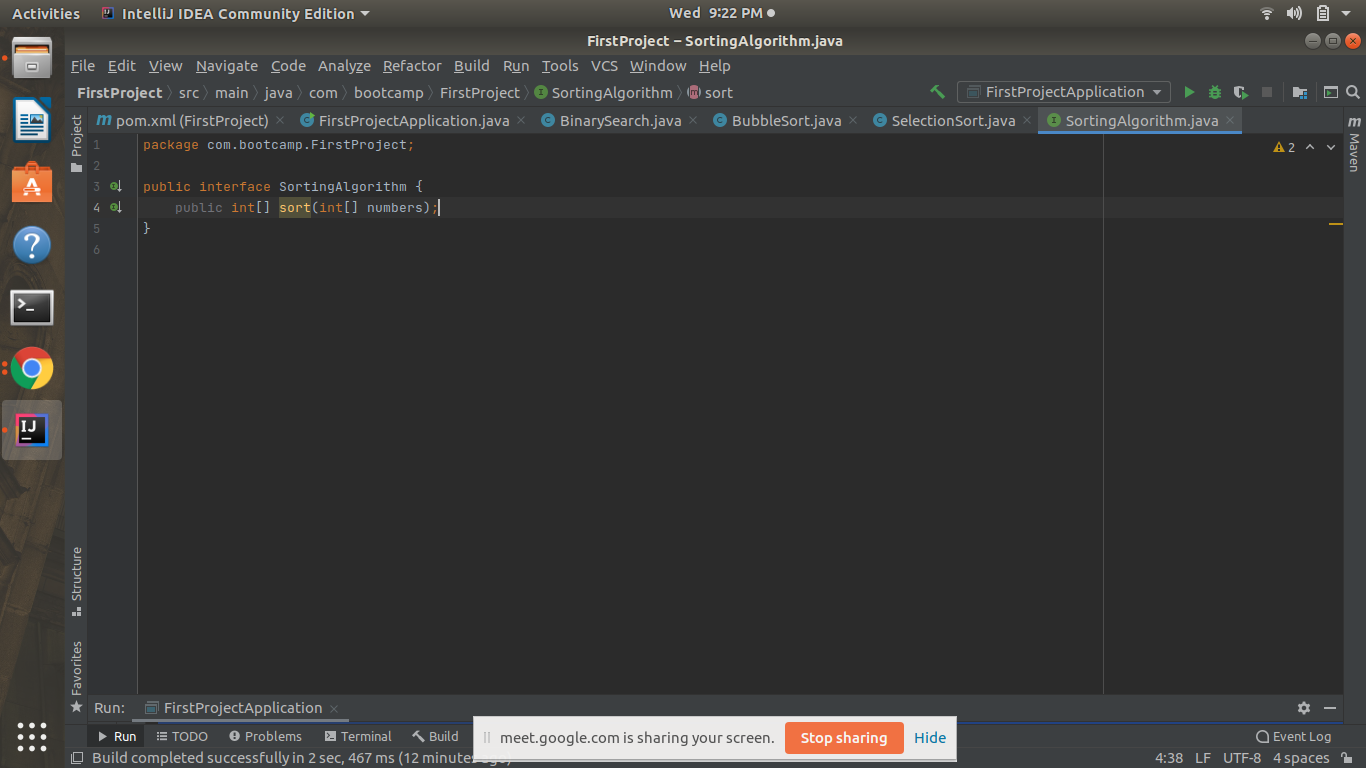
Answer-

Main class

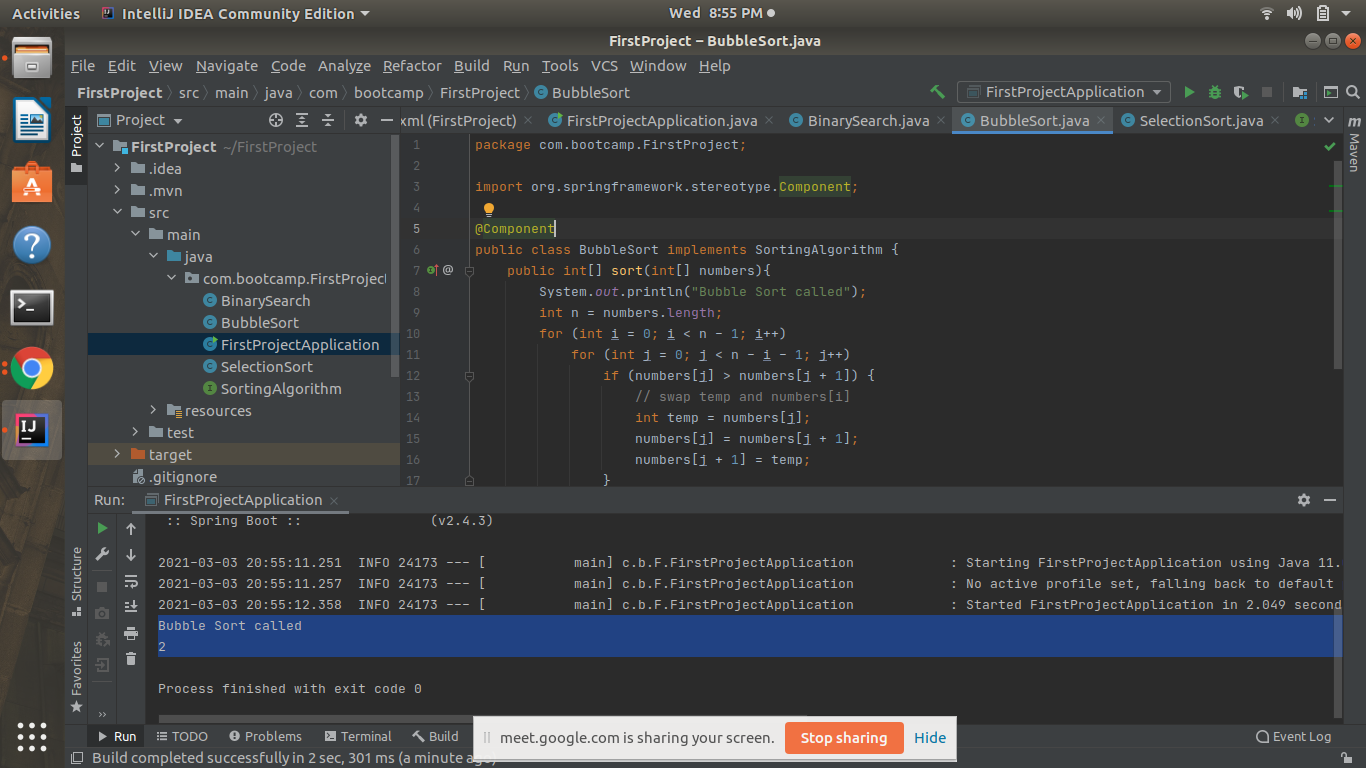


We have created an interface and autowired it using property injection as the dependency of a BinarySearch class which is a component.



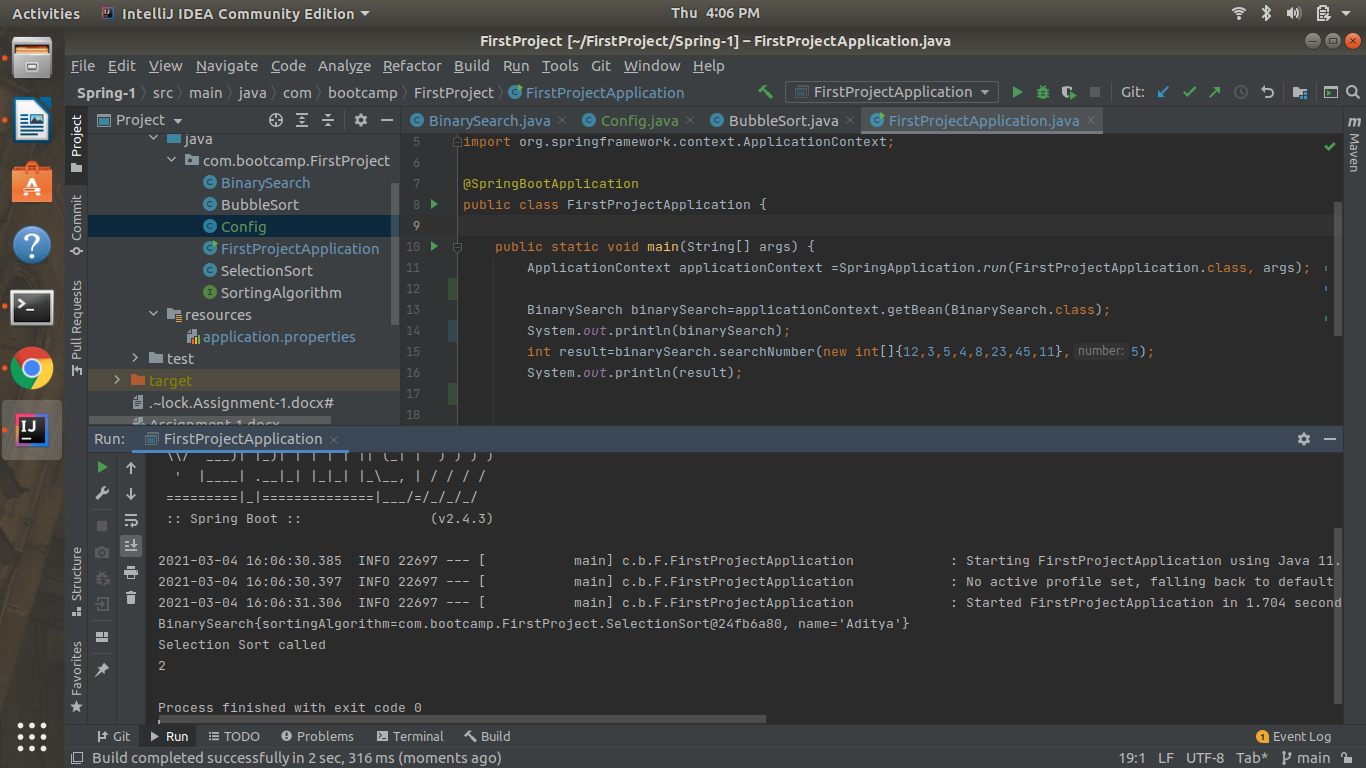


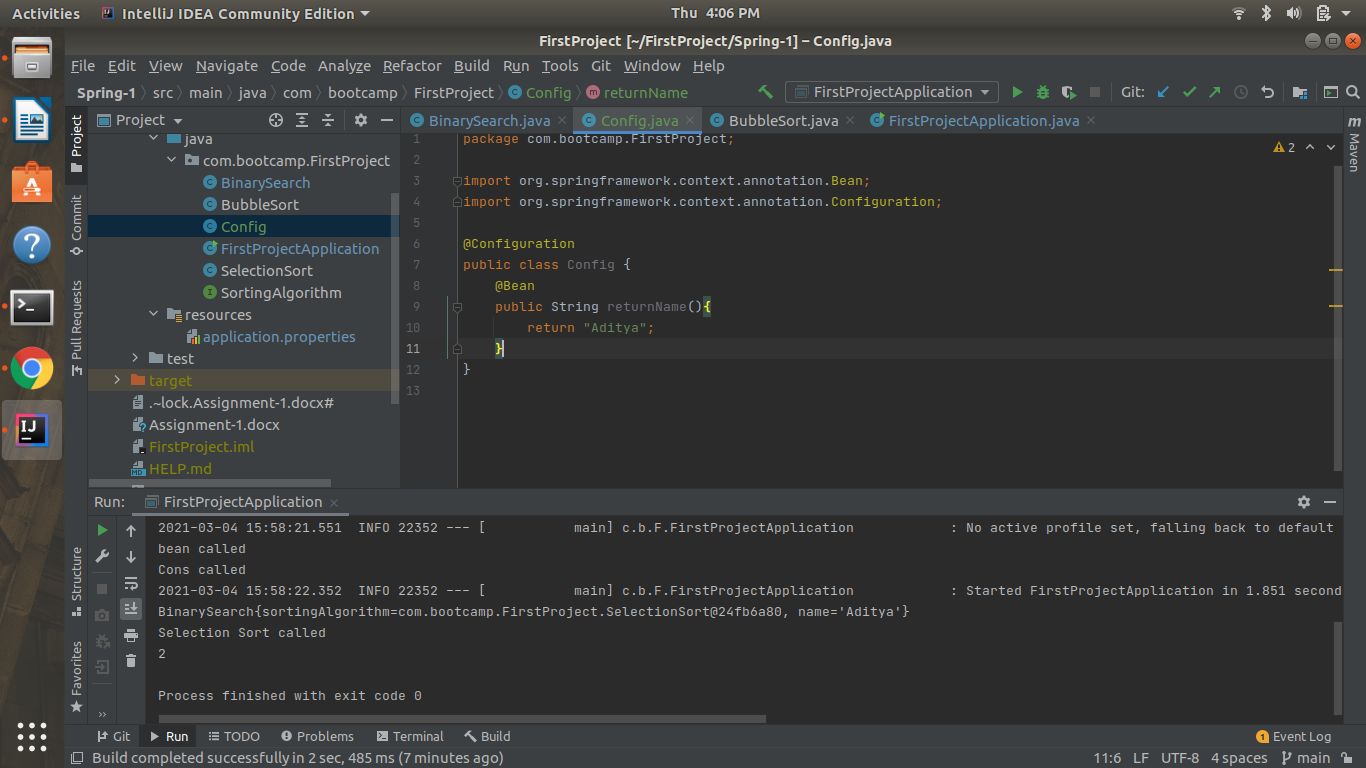
BubbleSort implements SortingAlgorithm interface and is itself a component that will be called as a dependency of BinarySearch



Q4)Get a Spring Bean from application context and display its properties.

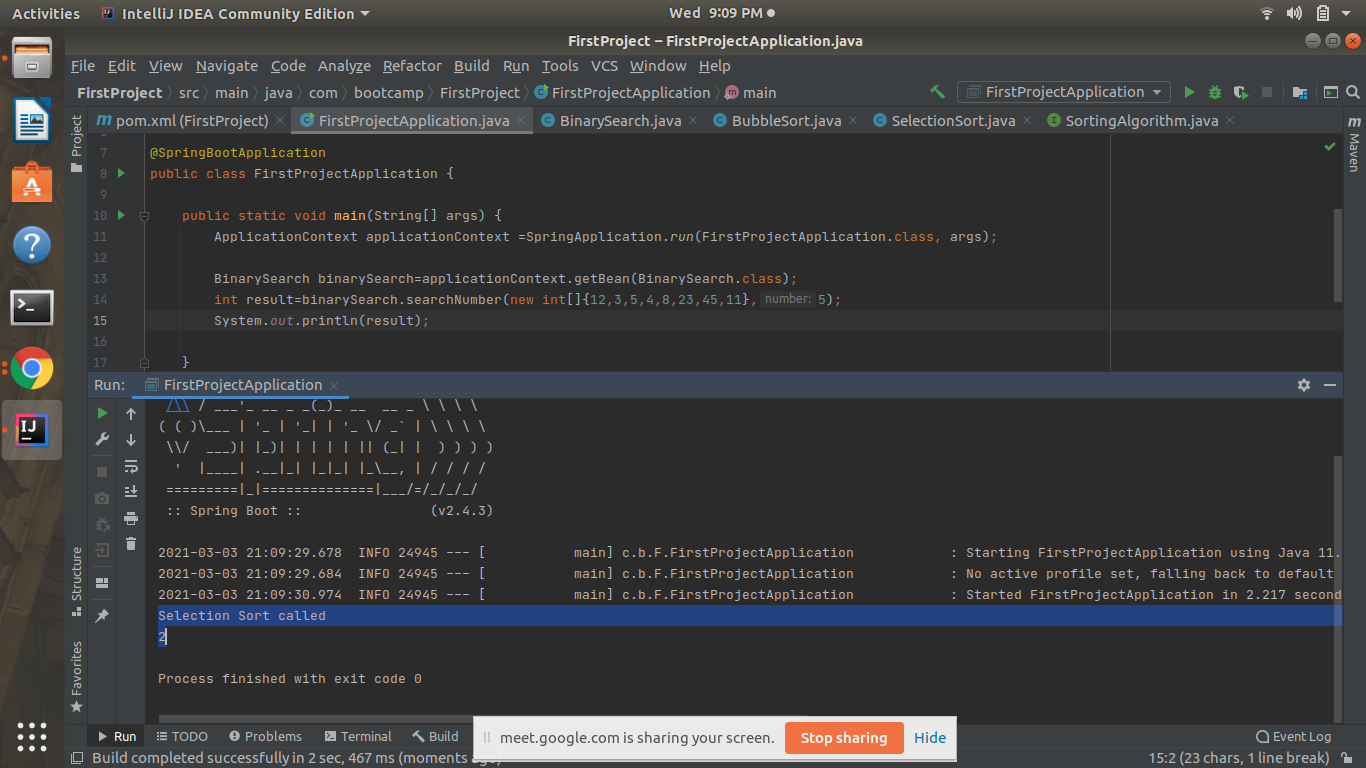
Answer-

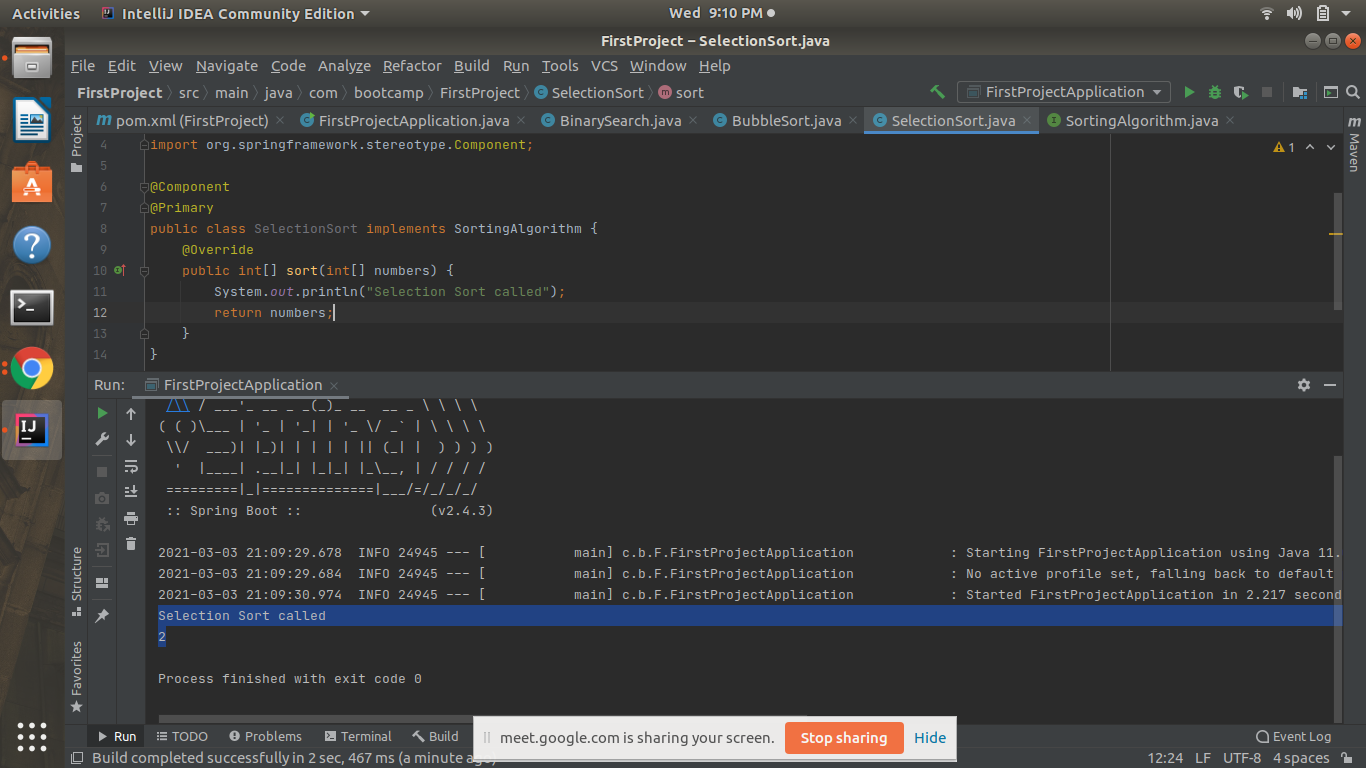




Q5)Demonstrate how you will resolve ambiguity while autowiring bean (Hint : @Primary)

Answer-We will write @Primary annotation under the component we want to call to remove ambiguity, this will give that component priority over other components.





Q6)Perform Constructor Injection in a Spring Bean

Answer-Writing @Autowired over the constructor for constructor injection.

