Experiment -2

Aim – Builder Method

Topic – Restaurant

There are 3 files HotelItem.java , ItemBuilder.java , Hotel.java (main function)

HotelItem.java

```java
package restaurant;

public class Hotel {
    private String Starters;
    private String Main;
    private String Drinks;
    private int Quantity;

    public HotelItem(String Starters , String Main , String Drinks , int Quantity){

        super();
        this.Starters  = Starters;
        this.Main = Main;
        this.Drinks = Drinks;
        this.Quantity = Quantity;
    }

    @Override
    public String toString() {
        return "Items[Starters="+ Starters + ",Main="+ Main + ", Drinks="+ Drinks + ", Quantity="+
Quantity + "]";
    }
}
```

ItemBuilder.java

```java
package restaurant;

public class ItemBuilder {
    private String Starters;
    private String Main;
    private String Drinks;
    private int Quantity;

    public HotelBuilder setStarters(String Starters){
        this.Starters = Starters;
        return this;
    }

    public HotelBuilder setMain(String Main){
        this.Main = Main;
```

```
      return this;
   }

   public HotelBuilder setDrinks(String Drinks){
      this.Drinks = Drinks;
      return this;
   }

   public HotelBuilder setQuantity(int Quantity){
      this.Quantity = Quantity;
      return this;
   }

   public Hotel getHotel(){
      return new Hotel(Starters , Main ,Drinks, Quantity);
   }
}
```

Hotel.java

```
package restaurant;

//Main File

public class Hotel {
   public static void main(String[] args) {
      Hotel h = new HotelBuilder().setDrinks("Minute
Maid").setQuantity(20).setStarters(null).getHotel();
      System.out.println(h);
   }
}
```

Output:-

Items[Starters=null,Main=null, Drinks=Minute Maid, Quantity=20]