

جروب رقم 1

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```
package lapproject;
```

```
import java.util.ArrayList;
```

```
public class Normalburgersandwitch {  
    private String name ="Normal Burger";  
    private ArrayList<String> meatttype = new ArrayList<String>();  
    private double price1;  
    private double price2;  
    private ArrayList<String> breadtype = new ArrayList<String>();  
    private double price3;  
    private double price4;  
    private ArrayList<String> additions=new ArrayList<String>();  
    private double price5;  
    private double price6;  
    private double price7;  
    private double price8;
```

```
    public Normalburgersandwitch(double price1, double price2, double price3  
        this.price1 = price1;  
        this.price2 = price2;
```

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```
        this.price2 = price2;  
        this.price3 = price3;  
        this.price4 = price4;  
        this.price5 = price5;  
        this.price6 = price6;  
        this.price7 = price7;  
        this.price8 = price8;
```

```
    }
```

```
    public String getName() {  
        return name;  
    }
```

```
    public void setName(String name) {  
        this.name = name;  
    }
```

```
    public ArrayList<String> getMeatttype() {  
        return meatttype;  
    }
```

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```
public void setMeattype(ArrayList<String> meattype) {  
    this.meattype = meattype;  
}
```

```
public double getPrice1() {  
    return price1;  
}
```

```
public void setPrice1(double price1) {  
    this.price1 = price1;  
}
```

```
public double getPrice2() {  
    return price2;  
}
```

```
public void setPrice2(double price2) {  
    this.price2 = price2;  
}
```

```
public ArrayList<String> getBreadtype() {
```

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```
public void setMeattype(ArrayList<String> meattype) {  
    this.meattype = meattype;  
}
```

```
public double getPrice1() {  
    return price1;  
}
```

```
public void setPrice1(double price1) {  
    this.price1 = price1;  
}
```

```
public double getPrice2() {  
    return price2;  
}
```

```
public void setPrice2(double price2) {  
    this.price2 = price2;  
}
```

```
public ArrayList<String> getBreadtype() {
```

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```

public ArrayList<String> getBreadtype() {
    return breadtype;
}

public void setBreadtype(ArrayList<String> breadtype) {
    this.breadtype = breadtype;
}

public double getPrice3() {
    return price3;
}

public void setPrice3(double price3) {
    this.price3 = price3;
}

public double getPrice4() {
    return price4;
}

public void setPrice4(double price4) {
    this.price4 = price4;
}

```

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```

18 public ArrayList<String> getAdditions() {
19     return additions;
20 }
21
22 public void setAdditions(ArrayList<String> additions) {
23     this.additions = additions;
24 }
25
26 public double getPrice5() {
27     return price5;
28 }
29
30 public void setPrice5(double price5) {
31     this.price5 = price5;
32 }
33
34 public double getPrice6() {
35     return price6;
36 }
37
38 public double getPrice7() {
39     return price7;

```

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```
public void setPrice7(double price7) {
    this.price7 = price7;
}

public double getPrice8() {
    return price8;
}

public void setPrice8(double price8) {
    this.price8 = price8;
}

public void setPrice6(double price6) {
    this.price6 = price6;
}
double b1,b2,b3,totalpricee;
public void meatprice(String a){
    if(a.equalsIgnoreCase(this.meattype.get(0))){
        b1=this.price1;
    }
    else {b1=this.price2;
}}

public void breadprice(String a){

    if(a.equalsIgnoreCase(this.breadtype.get(0))){
        b2=this.price3;
    }
    else {b2=this.price4;
}}

public void additionprice(String a){

    if(a.equalsIgnoreCase(this.additions.get(0))){
        b3=this.price5;
    }
    else if(a.equalsIgnoreCase(this.getAdditions().get(1))){
        b3=this.price6;}
    else if(a.equalsIgnoreCase(this.getAdditions().get(2))){
        b3=this.price7;}
    else if(a.equalsIgnoreCase(this.getAdditions().get(3))){
        b3=this.price8;}
    else{b3=0.0;}}
```

```

        b3=this.price5;
    }
    else if(a.equalsIgnoreCase(this.getAdditions().get(1))){
        b3=this.price6;}
    else if(a.equalsIgnoreCase(this.getAdditions().get(2))){
        b3=this.price7;}
    else if(a.equalsIgnoreCase(this.getAdditions().get(3))){
        b3=this.price8;}
    else{b3=0.0;}}

    public double totalprice(){
        totalpricee=b1+b2+b3;
        return totalpricee;}}

```

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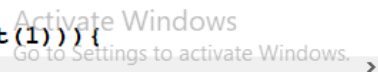
healthy burger

```

1 package lappproject;
2
3
4 import java.util.ArrayList;
5
6 public class Healthysandwitch extends Normalburgersandwitch{
7     final String name="Healthy Burger";
8     final String breadtype="Brown Bread";
9     private ArrayList<String>healthaddition=new ArrayList <String> ();
10    private double priceh1;
11    private double priceh2;
12
13    public Healthysandwitch(double priceh1,double priceh2,double price1, double
14        super(price1, price2, price3, price4, price5, price6, price7, price8)
15        this.priceh1=priceh1;
16        this.priceh2=priceh2;
17    }
18    public ArrayList<String> getHealthaddition() {
19        return healthaddition;
20    }
21    public void setHealthaddition(ArrayList<String> healthaddition) {
22        this.healthaddition = healthaddition;
23    }
24 }

```

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```

        else if(a.equalsIgnoreCase(this.getMeattype().get(1))){
            p1=this.getPrice2();
        }
        else {p1=0.0;
        }}

@Override
    public void breadprice(String a){
        if(a.equalsIgnoreCase(this.breadtype)){
            p2=this.getPrice4();
        }
        else {p2=0.0;}}

@Override
    public void additionprice(String a){
        if(a.equalsIgnoreCase(this.healthaddition.get(0))){
            p3=this.priceh1;
        }
        else if(a.equalsIgnoreCase(this.healthaddition.get(1))){
            p3=this.priceh2;
        }
        else{p3=0.0;}
    }

@Override
    public double totalprice(){

```

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```

else {p1=0.0;
}}
@Override
public void breadprice(String a){
if(a.equalsIgnoreCase(this.breadtype)){
p2=this.getPrice4();
}
else {p2=0.0;}}
@Override
public void additionprice(String a){
if(a.equalsIgnoreCase(this.healthaddition.get(0))){
p3=this.priceh1;
}
else if(a.equalsIgnoreCase(this.healthaddition.get(1))){
p3=this.priceh2;
}
else{p3=0.0;}
}
@Override
public double totalprice(){
return p1+p2+p3;}
}

```

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Deluxe burger

```

package lapproject;

public class DeluxSandwitch {
    String name="Dlux Burger";
    String meatype="White Roll Bread";
    String add1="Chips";
    String add2="Drink";

    public DeluxSandwitch() {

    }

    public double totalprice(){
        return 60.0;
    }
}

```

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main method and output

```

1 package lapproject;
2 public class Lapproject {
3     public static void main(String[] args) {
4         Normalburgersandwich n=new Normalburgersandwich(20.0,20.0,15.0,15.0,7.0,7.0
5         n.getMeatype().add("Beef");
6         n.getMeatype().add("chicken");
7         n.getBreadtype().add("White Bread");
8         n.getBreadtype().add("Brown Bread");
9         n.getAdditions().add("Extra Chips");
0         n.getAdditions().add("Extra Tomato");
1         n.getAdditions().add("Extra Catshap");
2         n.getAdditions().add("Extra Cocacola");
3         n.meatprice("Beef");
4         n.breadprice("Brown Bread");
5         n.additionprice("Extra Tomato");
6         System.out.println("this is bill for normal sandwich");
7         System.out.println("the total price is "+n.totalprice());
8
9
0
1         Healthysandwich h=new Healthysandwich(5.0,5.0,20.0,15.0,10.0,10.0,7.0,7.0,5
2         h.getMeatype().add("Beef");

```

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```

h.getMeattype().add("Beef");
h.getMeattype().add("Chicken");
h.getHealthaddition().add("Tomato");
h.getHealthaddition().add("Potato");
h.breadprice("Brown Bread");
h.meatprice("Beef");
h.additionprice("Tomato");
    System.out.println("this is for healthy sandwich");
    System.out.println("the total price is"+h.totalprice());

    DeluxSandwitch d=new DeluxSandwitch ();
    System.out.println("this is for deluxe sandwich");
    System.out.println("the total price is"+d.totalprice());

}

}

```

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Output - lapproject (run) X

```

run:
this is bill for normal sandwich
the total price is 42.0
this is for healthy sandwich
the total price is35.0
this is for deluxe sandwich
the total price is60.0
BUILD SUCCESSFUL (total time: 1 second)

```