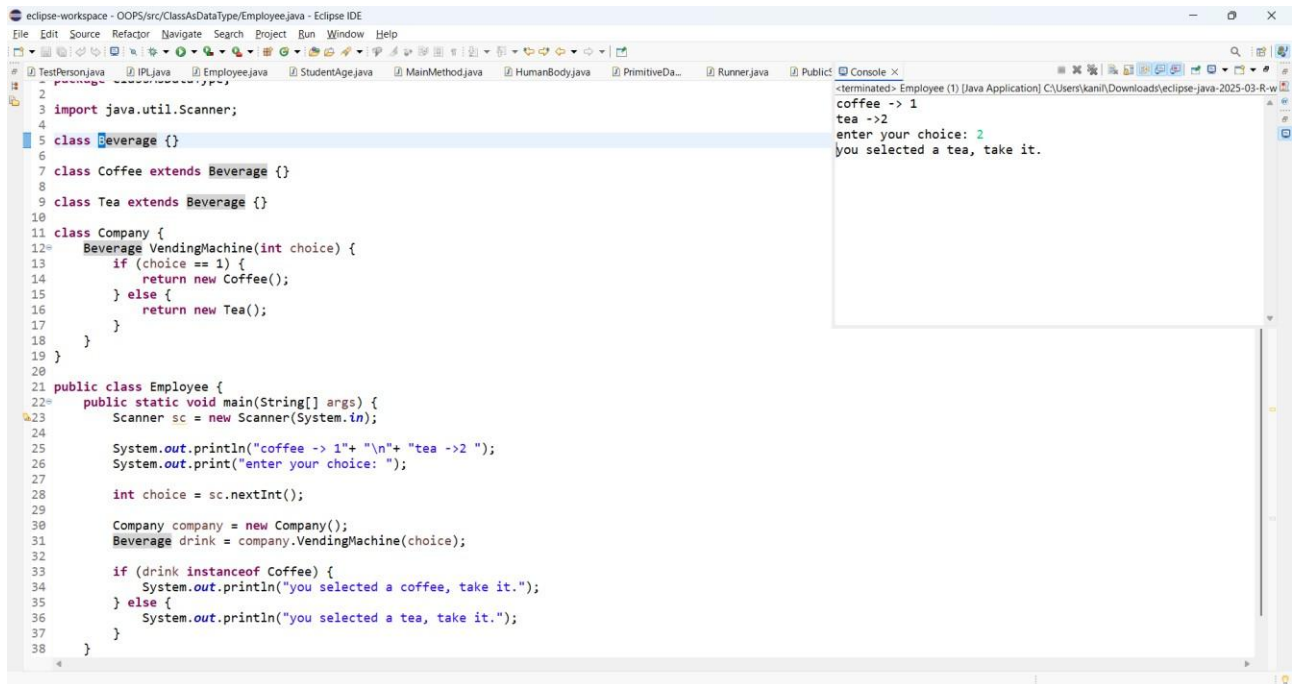


BHARATH KUMAR G R | VSN No: VS4UA1298| Batch: A4 | Assignment-15

1. Java Program on Beverage using Class as data type.

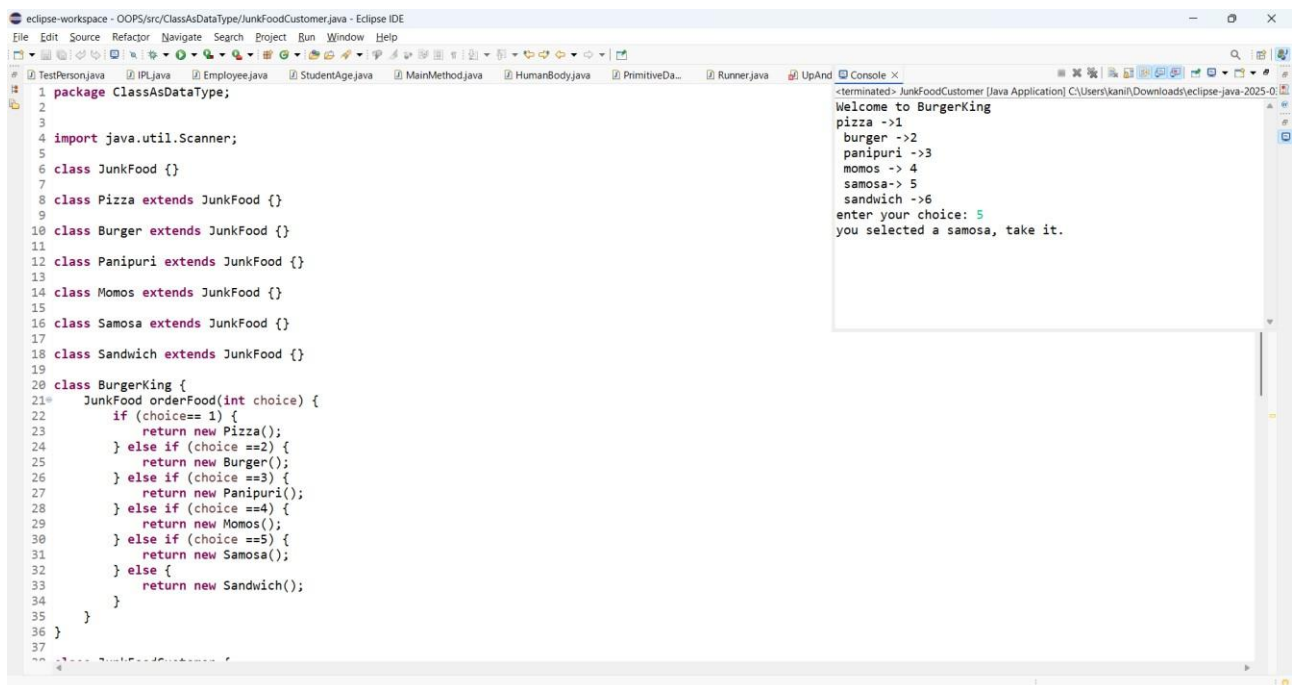


```
1 package oops.src.ClassAsDataType;
2
3 import java.util.Scanner;
4
5 class Beverage {}
6
7 class Coffee extends Beverage {}
8
9 class Tea extends Beverage {}
10
11 class Company {
12     Beverage VendingMachine(int choice) {
13         if (choice == 1) {
14             return new Coffee();
15         } else {
16             return new Tea();
17         }
18     }
19 }
20
21 public class Employee {
22     public static void main(String[] args) {
23         Scanner sc = new Scanner(System.in);
24
25         System.out.println("coffee -> 1" + "\n" + "tea -> 2 ");
26         System.out.print("enter your choice: ");
27
28         int choice = sc.nextInt();
29
30         Company company = new Company();
31         Beverage drink = company.VendingMachine(choice);
32
33         if (drink instanceof Coffee) {
34             System.out.println("you selected a coffee, take it.");
35         } else {
36             System.out.println("you selected a tea, take it.");
37         }
38     }
39 }
```

Console Output:

```
<terminated> Employee (1) [Java Application] C:\Users\kanil\Downloads\eclipse-java-2025-03-R-win32-x86_64.exe
coffee -> 1
tea -> 2
enter your choice: 2
you selected a tea, take it.
```

2. Java Program on JunkFood using Class as data type.



```
1 package oops.src.ClassAsDataType;
2
3 import java.util.Scanner;
4
5 class JunkFood {}
6
7 class Pizza extends JunkFood {}
8
9 class Burger extends JunkFood {}
10
11 class Panipuri extends JunkFood {}
12
13 class Momos extends JunkFood {}
14
15 class Samosa extends JunkFood {}
16
17 class Sandwich extends JunkFood {}
18
19 class BurgerKing {
20     JunkFood orderFood(int choice) {
21         if (choice == 1) {
22             return new Pizza();
23         } else if (choice == 2) {
24             return new Burger();
25         } else if (choice == 3) {
26             return new Panipuri();
27         } else if (choice == 4) {
28             return new Momos();
29         } else if (choice == 5) {
30             return new Samosa();
31         } else {
32             return new Sandwich();
33         }
34     }
35 }
36
37 public class JunkFoodCustomer {
38     public static void main(String[] args) {
39         Scanner sc = new Scanner(System.in);
40
41         System.out.println("Welcome to BurgerKing");
42         System.out.println("pizza -> 1");
43         System.out.println("burger -> 2");
44         System.out.println("panipuri -> 3");
45         System.out.println("momos -> 4");
46         System.out.println("samosa -> 5");
47         System.out.println("sandwich -> 6");
48         System.out.print("enter your choice: ");
49
50         int choice = sc.nextInt();
51
52         BurgerKing burgerKing = new BurgerKing();
53         JunkFood food = burgerKing.orderFood(choice);
54
55         if (food instanceof Pizza) {
56             System.out.println("you selected a pizza, take it.");
57         } else if (food instanceof Burger) {
58             System.out.println("you selected a burger, take it.");
59         } else if (food instanceof Panipuri) {
60             System.out.println("you selected a panipuri, take it.");
61         } else if (food instanceof Momos) {
62             System.out.println("you selected a momos, take it.");
63         } else if (food instanceof Samosa) {
64             System.out.println("you selected a samosa, take it.");
65         } else {
66             System.out.println("you selected a sandwich, take it.");
67         }
68     }
69 }
```

Console Output:

```
<terminated> JunkFoodCustomer [Java Application] C:\Users\kanil\Downloads\eclipse-java-2025-03-R-win32-x86_64.exe
Welcome to BurgerKing
pizza -> 1
burger -> 2
panipuri -> 3
momos -> 4
samosa -> 5
sandwich -> 6
enter your choice: 5
you selected a samosa, take it.
```

```
eclipse-workspace - OOPS/src/ClassAsDataType/JunkFoodCustomer.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
TestPerson.java IPL.java Employee.java StudentAge.java MainMethod.java HumanBody.java PrimitiveDa... Runner.java UpAnd Console x
33     return new Sandwich();
34 }
35 }
36 }
37
38 class JunkFoodCustomer {
39     public static void main(String[] args) {
40         Scanner sc = new Scanner(System.in);
41
42         System.out.println("Welcome to BurgerKing");
43         System.out.println("pizza ->1 \n burger ->2 \n panipuri ->3 \n momos -> 4\n samosa-> 5 \n sandwich->6");
44         System.out.print("enter your choice: ");
45         int choice = sc.nextInt();
46
47         BurgerKing king = new BurgerKing();
48         JunkFood item= king.orderFood(choice);
49         if (item instanceof Pizza) {
50             System.out.println("you selected a pizza, take it.");
51         }
52         else if (item instanceof Burger) {
53             System.out.println("you selected a burger, take it.");
54         }
55         else if (item instanceof Panipuri) {
56             System.out.println("you selected a panipuri, take it.");
57         }
58         else if (item instanceof Momos) {
59             System.out.println("you selected a momos, take it.");
60         }
61         else if (item instanceof Samosa) {
62             System.out.println("you selected a samosa, take it.");
63         }
64         else{
65             System.out.println("you selected a sandwich, take it.");
66         }
67     }
68 }
69 }
```

```
<terminated> JunkFoodCustomer [Java Application] C:\Users\kanil\Downloads\eclipse-java-2025-0...
Welcome to BurgerKing
pizza ->1
burger ->2
panipuri ->3
momos -> 4
samosa-> 5
sandwich ->6
enter your choice: 5
you selected a samosa, take it.
```