**Name:-Shubham
B.Pasale**

Program name :- Tea Making App

1.ComputerWaliCoffee.java file code :-

```java
public class ComputerWaliCoffee implements Tea {

    public void making() {

        System.out.println("Welcome to ComputerWali Coffee making Process");
        System.out.println("Step 1: Take some Water.");
        System.out.println("Step 2: Take some Sugar.");
        System.out.println("Step 3: Take some Milk.");
        System.out.println("Step 4: Take some Computer Special Coffee Powder.");
        System.out.println("Computer Coffee is Ready");
    }

    @Override
    public void benefits() {
        System.out.println("Benefits of Computer Coffee");
        System.out.println("Refreshing mood and good for health");
        System.out.println("She likes Coffee");
    }
}
```

2.DiplomaTea.java file code

```java
public class DiplomaTea implements Tea {

    @Override
    public void making() {

        System.out.println("Welcome to Diploma Tea making Process");
        System.out.println("Step 1: Take some Water.");
        System.out.println("Step 2: Take some Sugar.");
        System.out.println("Step 3: Take some Milk.");
        System.out.println("Step 4: Take some Diploma Special Masala Powder.");
        System.out.println("Diploma Tea is Ready");
    }

    @Override
```

```java
        public void benefits() {
                System.out.println("Benefits of Diploma Tea");
                System.out.println("Refreshing mood and good for health");

        }
}
```

3. EngineersTea.java file code :-

```java
import java.util.Scanner;

//develop this client in year 2012
public class EngineersTea {

        public static void main(String[] args) throws Exception {
                Scanner sn=new Scanner(System.in);
                String cont="";

                Rupali rupa=new Rupali();
                do {
                        System.out.println("!!!***Welcome To Engineers
Chai***!!!");

                        System.out.println("1.Diploma Tea");
                        System.out.println("2. Mechanical Tea");
                        System.out.println("3. BCA Tea");
                        System.out.println("4. Computerwali Coffee");
                        System.out.println("----------------------------");
                        System.out.println("Please place your order...:");
                        int choice=sn.nextInt();
                        switch(choice) {
                        case 1:
                                sham.getOrder("DiplomaTea");
                                break;
                        case 2:
                                sham.getOrder("MechanicalTea");
                                break;
                        case 3:
                                sham.getOrder("BCATea");
                                break;
                        case 4:
                                sham.getOrder("ComputerWaliCoffee");
                                break;
                        default:
                                System.out.println("Sorry,The order you entered
is not available currently");
```

```java
            }
            System.out.println("Do you want to
continue??...(T/t)");
                cont=sn.next();
        }while(cont.equalsIgnoreCase("t"));
        System.out.println("Thank you, Please do Visit Again");
    }
}
```

4.Shubham.java file code :-

```java
//this is container program designed by CTO in year 2010
public class Shubham {
    public void getOrder(String teaName) throws Exception{
        Class order = Class.forName(teaName); //for creating dynamic
object ie at runtime
        Object obj=order.newInstance();//upcasting
        Tea tea=(Tea)obj;//downcasting

        tea.making();
        tea.benefits();
    }
}
```

5.tea.java interface file code :-

```java
//API level design for tea making app in year 2010
public interface Tea {
    //making
    void making();

    //benefits
    void benefits();
}
```


OUTPUT:-

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Console × Problems Debug Shell

EngineersTea [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (04-Feb-2022, 3:41:05 pm)

```
!!!***Welcome To Engineers Chai***!!!
 1.Diploma Tea
 2. Mechanical Tea
 3. BCA Tea
 4. Computerwali Coffee
----------------------------
Please place your order...:
4
Welcome to ComputerWali Coffee making Process
Step 1: Take some Water.
Step 2: Take some Sugar.
Step 3: Take some Milk.
Step 4: Take some Computer Special Coffee Powder.
Computer Coffee is Ready
Benefits of Computer Coffee
Refreshing mood and good for health
She likes Coffee
Do you want to continue??...(T/t)
t
!!!***Welcome To Engineers Chai***!!!
 1.Diploma Tea
 2. Mechanical Tea
 3. BCA Tea
 4. Computerwali Coffee
----------------------------
Please place your order...:
1
Welcome to Diploma Tea making Process
Step 1: Take some Water.
Step 2: Take some Sugar.
Step 3: Take some Milk.
Step 4: Take some Diploma Special Masala Powder.
Diploma Tea is Ready
Benefits of Diploma Tea
Refreshing mood and good for health
Do you want to continue??...(T/t)
```

Type here to search

15:41
04-02-2022