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Tea Making Application Program

1.ComputerWaliCoffee.java.class

```
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.class

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

3.EngineersTea.class

```
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="";
```

```
Shubham sham=new Shubham();
```

```
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");
}
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.EngineerTea.class

```

public class EngineerTea {
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 Interface.class

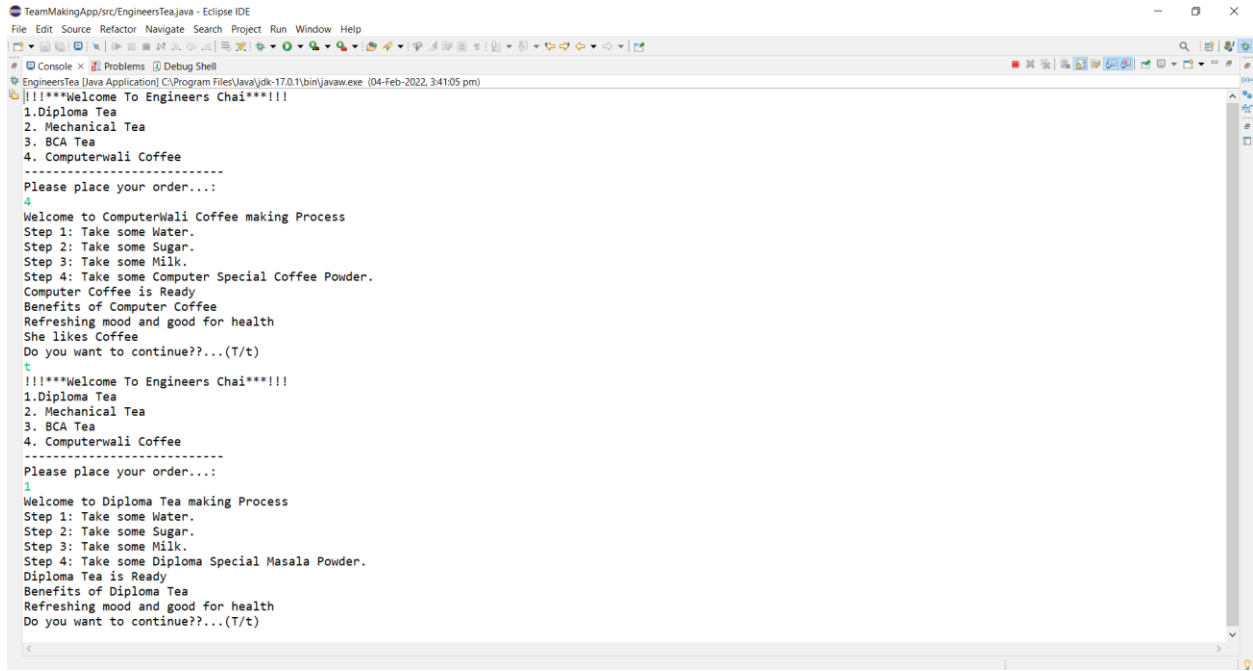
```

public interface Tea {
//making
void making();

//benefits
void benefits();
}

```

Output:-



The screenshot shows the Eclipse IDE interface with the console window open. The title bar reads "TeamMakingApp/src/EngineersTea.java - Eclipse IDE". The menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations and development tools. The console window shows the output of a Java application named "EngineersTea [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\java.exe (04-Feb-2022, 3:41:05 pm)". The output text is as follows:

```
!!***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)
```