**Exercise 02.**

1. Design an abstract class calles Beverages and extend it using Tea and Coffee concrete class.

Java

Public abstract class Beverages {

Final void prepareRecipe() {

boilWater();

brew();

pourlnCup();

addCondiments();

}

Abstract void brew();

Abstract void addCondiments();

Void BoileWater() {

System.out.println(“Boiling Water”);

}

Void pourlnCup() {

System.out.println(“Pouring into Cup”);

}

}

Public class Tea extends Beverages {

Void brew() {

System.out.println(“Steeping the Tea”);

}

Void addCondiments() {

System.out.println(“Adding Lemon”);

}

}

Public class Coffee extends Beverages {

Void brew() {

System.out.println(“Dripping Coffee Through Filter”);

}

Void addCondiments() {

System.out.println(“Adding Sugar And Milk”);

}

}

1. Test class that tries to the pattern of template method.

Java

Public class TemplateMethodTest {

Public static void main(String[] args){

Beverages Tea = New Tea();

Drink Tea = New Tea();

System.out.println(“Prepared Tea”);

Tea.PrepareRecipe();

System.out.println(“

Making Coffee.”);

Cofee.PrepareRecipe();

}

}