

CE251: JAVA Programming

External Practical

CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY
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RESEARCH

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20DCS103 DEPSTAR CSE : 2 - Batch : B

PROGRAM

SOURCECODE:

```
import java.util.*;

interface Food
{
    public String getType();
}

class Pizza implements Food
{
    public String getType()
    {
        return "Someone ordered Fast Food!";
    }
}

class Cake implements Food
{
    public String getType()
    {
        return "Someone ordered Dessert!";
    }
}

class FoodFactory
{
    public Food getFood(String order)
    {
        if (order.equalsIgnoreCase("cake"))
        {
            Food c = new Cake();
            return c;
        }
        else
        {
            Food p = new Pizza();
            return p;
        }
    }
}
```

```
public class Factory
{
    public static void main(String args[])
    {
        Scanner sc = new Scanner(System.in);

        FoodFactory f1 = new FoodFactory();
        Food food = f1.getFood(sc.nextLine());

        System.out.println("The factory returned " + food.getClass());
        System.out.println(food.getType());

        // System.out.println("\n\n20DCS103 - RUSHIK RATHOD");
    }
}
```

OUTPUT:



```
Administrator: Command Prompt

E:\Coding Projects with JAVA>javac Factory.java

E:\Coding Projects with JAVA>java Factory
cake
The factory returned class Cake
Someone ordered Dessert!

E:\Coding Projects with JAVA>
```



```
Administrator: Command Prompt

E:\Coding Projects with JAVA>javac Factory.java

E:\Coding Projects with JAVA>java Factory
pizza
The factory returned class Pizza
Someone ordered Fast Food!

E:\Coding Projects with JAVA>
```

Thank you...