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Section &Group	19BCS-2
Department	Computer Science & Engineering
Session	Aug-Dec 2022
Course Name	WEB SERVICE SECURITY LAB
Course Code	CSB-422
Semester	7 TH





CourseName: WebServices Security Lab

Experiment: External Lab Practical

Aim:

Write a program to create a simple web service that calculate total money spend in shopping.

Tools/Software Required:

Netbeans IDE 8.2, Java Development kit(JDK), Java runtime environment (JRE), GlassFish Server, Web browser

Description:

WSDL stands for Web Service Description Language. It describes the web services and exchanges the information in a decentralized or distributed environment. It is used to create a relationship between the service requester and the service provider. It is an XML based language to describe the functionality of a SOAP-based web service.

Pseudo code/Algorithms/Flowchart/Steps:

Creating a TemperatureApp Web Service

- 1. Open Netbeans
- 2. Open New Project \rightarrow Java Web \rightarrow Web Application.

Implementation:





```
Course code: CSB-422
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 * To change this license header, choose License Headers in Project Properties.
* To change this template file, choose Tools | Templates
* and open the template in the editor.
package General-Store;
import javax.jws.WebService;
import javax.jws.WebMethod;
import javax.jws.WebParam;
import javax.xml.ws.RequestWrapper;
import javax.xml.ws.ResponseWrapper;
/**
  @author lost
    getPrice
*/
@WebService(serviceName = "Buy Product")
public class Buy Product {
  /**
   * Web service operation
   */
  @WebMethod(operationName = "buyItems")
  public Integer buyItems(@WebParam(name = "product1") String product1,
@WebParam(name = "product2") String product2, @WebParam(name = "product3") String
product3) {
    //TODO write your implementation code here:
    int total money spent = 0;
      product -1
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                                                                       UID: 19BCS1928
```

Discover. Learn. Empower.



Course code: CSB-422

```
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     switch(product1){
       case "shirt" : {
         total money spent += 500;
         break;
       case "pent" : {
         total money spent += 500;
         break;
       case "H.P Laptop" : {
         total money spent += 50000;
         break;
       case "Asus Laptop" : {
         total money spent += 100000;
         break;
       case "charger" : {
         total money spent += 2000;
         break;
//
      product-2
      switch(product2){
       case "shirt" : {
         total money spent += 500;
         break;
       case "pent" : {
         total money spent += 500;
         break;
       case "H.P Laptop" : {
         total money spent += 50000;
         break;
       case "Asus Laptop" : {
         total money spent += 100000;
         break;
```



```
CourseName: WebServices Security Lab
       case "charger" : {
         total money spent += 2000;
         break;
//
       procuct -3
    switch(product3){
       case "shirt" : {
         total money spent += 500;
         break;
       case "pent" : {
         total money spent += 500;
         break;
       case "H.P Laptop" : {
         total money spent += 50000;
         break;
       case "Asus Laptop" : {
         total money spent += 100000;
         break;
       case "charger" : {
         total money spent += 2000;
         break;
    return total money spent;
```

Output:

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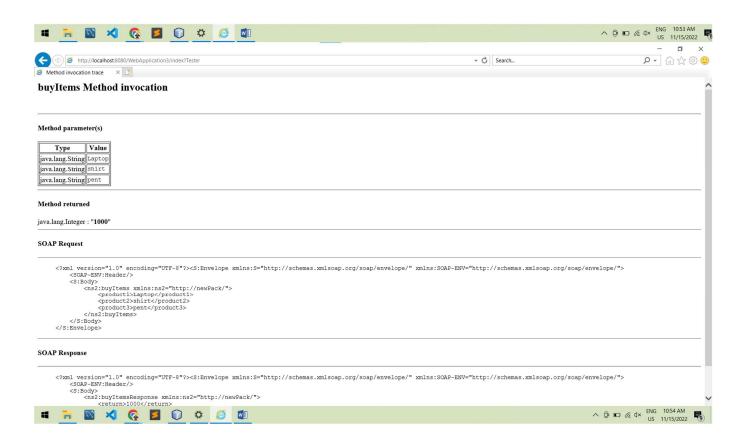




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SOAP Response

SOAP Response

<pre





CourseName: WebServices Security Lab ctoF Method invocation

| tor Method invocation |
|--|
| Method parameter(s) |
| Type Value float 36.4 |
| Aethod returned |
| loat: "97.520004" |
| OAP Request |
| <pre><?xml version="1.0" encoding="UTF-8"?><s:envelope <="" td="" xmlns:s="http://schemas.xmlsoap.org/soap/envelope/" xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/"></s:envelope></pre> |
| OAP Response |
| <pre><?xml version="1.0" encoding="UTF-8"?><s:envelope <="" td="" xmlns:s="http://schemas.xmlsoap.org/soap/envelope/" xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/"></s:envelope></pre> |
| |