Федеральное государственное бюджетное образовательное учреждение

высшего образования

«Саратовский государственный технический университет

имени Гагарина Ю.А.»

Кафедра «Прикладные информационные технологии»

**ОТЧЕТ**

**по лабораторной работе номер 2**

Студента гр. б2-ИФСТ22.

Макаева Владислава Витальевича

Проверил доцент кафедрыПИТ:

Бровко Александр Валерьевич

Саратов 2019

1. **Person**

<?xml version = "1.0"?>

<!DOCTYPE PEOPLE [

<!ELEMENT PEOPLE (PERSON+)>

<!ELEMENT PERSON (PersonId, Name, Address, Telephone,Fax,E-Mail)>

<!ELEMENT PersonId (#PCDATA)>

<!ELEMENT Name (#PCDATA)>

<!ELEMENT Address (#PCDATA)>

<!ELEMENT Telephone (#PCDATA)>

<!ELEMENT Fax (#PCDATA)>

<!ELEMENT E-Mail (#PCDATA)>

]>

<PEOPLE>

    <PERSON>

            <PersonId>E01</PersonId>

            <Name>Tony Blair</Name>

            <Address>10 Downing Street, London, UK</Address>

            <Telephone>(061) 98765</Telephone>

            <Fax>(061) 98765</Fax>

            <E-Mail>blair@everywhere.com</E-Mail>

    </PERSON>

    <PERSON>

            <PersonId>E02</PersonId>

            <Name>Bill Clinton</Name>

            <Address>White House, USA</Address>

            <Telephone>(001) 6400 98765</Telephone>

            <Fax>(001) 6400 98765</Fax>

            <E-Mail>bill@everywhere.com</E-Mail>

    </PERSON>

    <PERSON>

            <PersonId>E03</PersonId>

            <Name>Tom Cruise</Name>

            <Address>57 Jumbo Street, New York, USA</Address>

            <Telephone>(001) 4500 67859</Telephone>

            <Fax>(001) 4500 67859</Fax>

            <E-Mail>cruise@everywhere.com</E-Mail>

    </PERSON>

    <PERSON>

            <PersonId>E04</PersonId>

            <Name>Lorena Bobbit</Name>

            <Address>78 Crux Lane, London, UK</Address>

            <Telephone>(061) 54 56789</Telephone>

            <Fax>(061) 54 56789</Fax>

            <E-Mail>lorena@everywhere.com</E-Mail>

    </PERSON>

    <PERSON>

            <PersonId>E05</PersonId>

            <Name>Abraham Lincoln</Name>

            <Address>White House, USA</Address>

            <Telephone>(001) 6400 98765</Telephone>

            <Fax>(001) 6400 98765</Fax>

            <E-Mail>alincoln@everywhere.com</E-Mail>

    </PERSON>

    <PERSON>

            <PersonId>E06</PersonId>

            <Name>Margaret Tatcher</Name>

            <Address>10 Downing Street, London, UK</Address>

            <Telephone>(061) 98765</Telephone>

            <Fax>(061) 98765</Fax>

            <E-Mail>mtatcher@everywhere.com</E-Mail>

    </PERSON>

</PEOPLE>

1. **Countries**

<?xml version = "1.0"?>

<!DOCTYPE COUNTRIES [

<!ELEMENT COUNTRIES (COUNTRY+)>

<!ELEMENT COUNTRY (CountryName,Tom,Cathy,George,Chang,Jimmy,Sufi,Alex,Mack,Jason,Harry)>

<!ELEMENT CountryName (#PCDATA)>

<!ELEMENT Tom (#PCDATA)>

<!ELEMENT Cathy (#PCDATA)>

<!ELEMENT George (#PCDATA)>

<!ELEMENT Chang (#PCDATA)>

<!ELEMENT Jimmy (#PCDATA)>

<!ELEMENT Sufi (#PCDATA)>

<!ELEMENT Alex (#PCDATA)>

<!ELEMENT Mack (#PCDATA)>

<!ELEMENT Jason (#PCDATA)>

<!ELEMENT Harry (#PCDATA)>

]>

<COUNTRIES>

    <COUNTRY>

            <CountryName>China</CountryName>

            <Tom>9.8</Tom>

            <Cathy>9.5</Cathy>

            <George>9.4</George>

            <Chang>9.2</Chang>

            <Jimmy>9.0</Jimmy>

            <Sufi>8.5</Sufi>

            <Alex>8.8</Alex>

            <Mack>9.9</Mack>

            <Jason>9.2</Jason>

            <Harry>9.1</Harry>

    </COUNTRY>

    <COUNTRY>

            <CountryName>USA</CountryName>

            <Tom>9.9</Tom>

            <Cathy>9.9</Cathy>

            <George>9.3</George>

            <Chang>8.9</Chang>

            <Jimmy>8.8</Jimmy>

            <Sufi>8.9</Sufi>

            <Alex>8.4</Alex>

            <Mack>9.0</Mack>

            <Jason>9.9</Jason>

            <Harry>9.5</Harry>

    </COUNTRY>

    <COUNTRY>

            <CountryName>Japan</CountryName>

            <Tom>10</Tom>

            <Cathy>9.1</Cathy>

            <George>9.0</George>

            <Chang>9.2</Chang>

            <Jimmy>9.1</Jimmy>

            <Sufi>9.0</Sufi>

            <Alex>9.4</Alex>

            <Mack>9.2</Mack>

            <Jason>8.9</Jason>

            <Harry>8.8</Harry>

    </COUNTRY>

    <COUNTRY>

            <CountryName>France</CountryName>

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            <Cathy>8.5</Cathy>

            <George>8.8</George>

            <Chang>9.9</Chang>

            <Jimmy>9.2</Jimmy>

            <Sufi>9.1</Sufi>

            <Alex>9.9</Alex>

            <Mack>9.9</Mack>

            <Jason>9.3</Jason>

            <Harry>8.9</Harry>

    </COUNTRY>

    <COUNTRY>

            <CountryName>Russia</CountryName>

            <Tom>9.8</Tom>

            <Cathy>9.5</Cathy>

            <George>9.4</George>

            <Chang>9.2</Chang>

            <Jimmy>9.1</Jimmy>

            <Sufi>9.0</Sufi>

            <Alex>9.2</Alex>

            <Mack>9.1</Mack>

            <Jason>9.1</Jason>

            <Harry>9.0</Harry>

    </COUNTRY>

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            <CountryName>Italy</CountryName>

            <Tom>9.9</Tom>

            <Cathy>9.9</Cathy>

            <George>9.3</George>

            <Chang>8.9</Chang>

            <Jimmy>8.8</Jimmy>

            <Sufi>9.0</Sufi>

            <Alex>9.4</Alex>

            <Mack>9.2</Mack>

            <Jason>8.9</Jason>

            <Harry>8.8</Harry>

    </COUNTRY>

    <COUNTRY>

            <CountryName>Australia</CountryName>

            <Tom>9.0</Tom>

            <Cathy>8.5</Cathy>

            <George>8.8</George>

            <Chang>9.9</Chang>

            <Jimmy>9.2</Jimmy>

            <Sufi>9.1</Sufi>

            <Alex>9.4</Alex>

            <Mack>9.2</Mack>

            <Jason>9.1</Jason>

            <Harry>9.1</Harry>

    </COUNTRY>

    <COUNTRY>

            <CountryName>Germany</CountryName>

            <Tom>9.8</Tom>

            <Cathy>9.5</Cathy>

            <George>9.4</George>

            <Chang>9.2</Chang>

            <Jimmy>9.1</Jimmy>

            <Sufi>9.5</Sufi>

            <Alex>9.4</Alex>

            <Mack>9.2</Mack>

            <Jason>9.0</Jason>

            <Harry>8.5</Harry>

    </COUNTRY>

    <COUNTRY>

            <CountryName>Taiwan</CountryName>

            <Tom>9.9</Tom>

            <Cathy>9.3</Cathy>

            <George>8.9</George>

            <Chang>8.8</Chang>

            <Jimmy>8.9</Jimmy>

            <Sufi>8.4</Sufi>

            <Alex>9.0</Alex>

            <Mack>9.1</Mack>

            <Jason>9.0</Jason>

            <Harry>9.2</Harry>

    </COUNTRY>

</COUNTRIES>

1. **Family**

<?xml version = "1.0"?>

<!DOCTYPE PEOPLE [

<!ELEMENT PEOPLE(PERSON+)>

<!ELEMENT PERSON (Nouse\_No, Name, Description)>

<!ELEMENT Nouse\_No (#PCDATA)>

<!ELEMENT Name (#PCDATA)>

<!ELEMENT Description (#PCDATA)>

]>

<PEOPLE>

    <PERSON>

        <Nouse\_No>1</Nouse\_No>

        <Name>Robert</Name>

        <Description>Father</Description>

    </PERSON>

    <PERSON>

        <Nouse\_No>1</Nouse\_No>

        <Name>Gloria</Name>

        <Description>Mother</Description>

    </PERSON>

    <PERSON>

        <Nouse\_No>1</Nouse\_No>

        <Name>Susan</Name>

        <Description>Child 1</Description>

    </PERSON>

    <PERSON>

        <Nouse\_No>1</Nouse\_No>

        <Name>Stephen</Name>

        <Description>Child 2</Description>

    </PERSON>

    <PERSON>

        <Nouse\_No>2</Nouse\_No>

        <Name>John</Name>

        <Description>Father</Description>

    </PERSON>

    <PERSON>

        <Nouse\_No>2</Nouse\_No>

        <Name>Mary</Name>

        <Description>Mother</Description>

    </PERSON>

    <PERSON>

        <Nouse\_No>2</Nouse\_No>

        <Name>Joseph</Name>

        <Description>Child 1</Description>

    </PERSON>

    <PERSON>

        <Nouse\_No>3</Nouse\_No>

        <Name>Linda</Name>

        <Description>Individual</Description>

    </PERSON>

</PEOPLE>

1. **Students**

<?xml version = "1.0"?>

<!DOCTYPE SCHOOL [

<!ELEMENT SCHOOL(CLASS+)>

<!ELEMENT CLASS (Num, No\_of\_Students, No\_of\_Present, No\_of\_Sections)>

<!ELEMENT Num (#PCDATA)>

<!ELEMENT No\_of\_Students (#PCDATA)>

<!ELEMENT No\_of\_Present (#PCDATA)>

<!ELEMENT No\_of\_Sections (#PCDATA)>

]>

<SCHOOL>

    <CLASS>

        <Num>1</Num>

        <No\_of\_Students>120</No\_of\_Students>

        <No\_of\_Present>117</No\_of\_Present>

        <No\_of\_Sections>4</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>2</Num>

        <No\_of\_Students>110</No\_of\_Students>

        <No\_of\_Present>103</No\_of\_Present>

        <No\_of\_Sections>3</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>3</Num>

        <No\_of\_Students>90</No\_of\_Students>

        <No\_of\_Present>89</No\_of\_Present>

        <No\_of\_Sections>2</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>4</Num>

        <No\_of\_Students>140</No\_of\_Students>

        <No\_of\_Present>100</No\_of\_Present>

        <No\_of\_Sections>4</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>5</Num>

        <No\_of\_Students>80</No\_of\_Students>

        <No\_of\_Present>79</No\_of\_Present>

        <No\_of\_Sections>5</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>6</Num>

        <No\_of\_Students>85</No\_of\_Students>

        <No\_of\_Present>85</No\_of\_Present>

        <No\_of\_Sections>4</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>7</Num>

        <No\_of\_Students>89</No\_of\_Students>

        <No\_of\_Present>89</No\_of\_Present>

        <No\_of\_Sections>3</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>8</Num>

        <No\_of\_Students>90</No\_of\_Students>

        <No\_of\_Present>85</No\_of\_Present>

        <No\_of\_Sections>2</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>9</Num>

        <No\_of\_Students>85</No\_of\_Students>

        <No\_of\_Present>80</No\_of\_Present>

        <No\_of\_Sections>3</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>10</Num>

        <No\_of\_Students>89</No\_of\_Students>

        <No\_of\_Present>79</No\_of\_Present>

        <No\_of\_Sections>2</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>11</Num>

        <No\_of\_Students>60</No\_of\_Students>

        <No\_of\_Present>58</No\_of\_Present>

        <No\_of\_Sections>1</No\_of\_Sections>

    </CLASS>

    <CLASS>

        <Num>12</Num>

        <No\_of\_Students>65</No\_of\_Students>

        <No\_of\_Present>56</No\_of\_Present>

        <No\_of\_Sections>1</No\_of\_Sections>

    </CLASS>

</SCHOOL>