

## Software Technology DOT-NET

Report for the Laboratory work #1

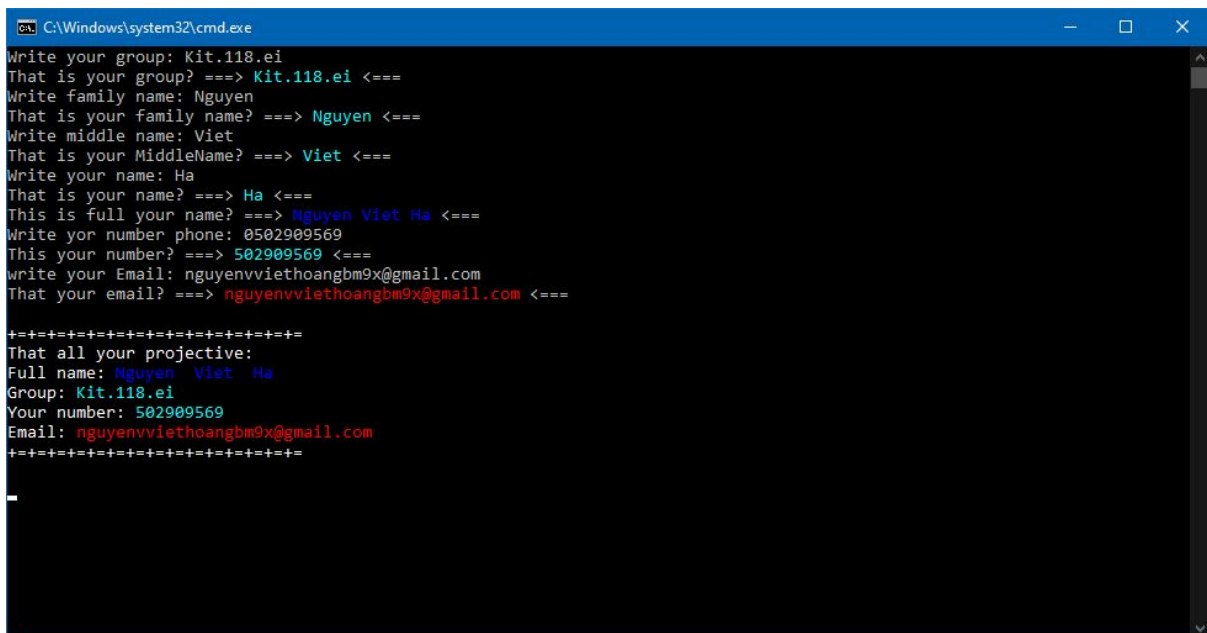
Theme: Development of programs in C#. Console applications

### 1. Theory block

Task1: Create program with class Student with GroupName, FamilyName, MiddleName, Name, PhoneNumber and Email.

In Main function create the object from the Student class. Input data from the console to this object and output all data to the console back

### 2. Program block with screenshots



```
C:\Windows\system32\cmd.exe
Write your group: Kit.118.ei
That is your group? ===> Kit.118.ei <===
Write family name: Nguyen
That is your family name? ===> Nguyen <===
Write middle name: Viet
That is your MiddleName? ===> Viet <===
Write your name: Ha
That is your name? ===> Ha <===
This is full your name? ===> Nguyen Viet Ha <===
Write yor number phone: 0502909569
This your number? ===> 502909569 <===
write your Email: nguyenvviethoangbm9x@gmail.com
That your email? ===> nguyenvviethoangbm9x@gmail.com <===

+==+==+==+==+==+==+==+==+==+
That all your projective:
Full name: Nguyen Viet Ha
Group: Kit.118.ei
Your number: 502909569
Email: nguyenvviethoangbm9x@gmail.com
+==+==+==+==+==+==+==+==+==+
```

Picture 1 – Screenshot of work of Program

### 3. Conclusion

That is program make:

```
using System;
using System.Collections.Generic;
using System.Data;
using System.Linq;
using System.Security.Cryptography.X509Certificates;
using System.Text;
using System.Threading.Tasks;

namespace Lapoftask01
{
    class Program
    {
        public class Student
        {
            public string NameGroup { get; set; }
            public string FamilyName { get; set; }
            public string MiddleName { get; set; }
            public string Name { get; set; }
            public string YourEmail { get; set; }
            public int PhoneNumber { get; set; }
        }

        static void Main(string[] args)
        {
            Student student = new Student();

            //Enter the group name.
            Console.Write("Write your group: ");
            student.NameGroup = Console.ReadLine();

            Console.Write("That is your group? " + "====> ");
            Console.ForegroundColor = ConsoleColor.Cyan;
            Console.Write(student.NameGroup);
            Console.ForegroundColor = ConsoleColor.Gray;
            Console.Write(" <====\n");
        }
    }
}
```

//Enter the full name.

//1# Family name:

```
Console.Write("Write family name: ");
student.FamilyName = Console.ReadLine();
Console.Write("That is your family name? " + "====> ");
Console.ForegroundColor = ConsoleColor.Cyan;
Console.Write(student.FamilyName);
Console.ForegroundColor = ConsoleColor.Gray;
Console.Write(" <====\n");
```

//2# Middle name:

```
Console.Write("Write middle name: ");
student.MiddleName = Console.ReadLine();
Console.Write("That is your MiddleName? " + "====> ");
Console.ForegroundColor = ConsoleColor.Cyan;
Console.Write(student.MiddleName);
Console.ForegroundColor = ConsoleColor.Gray;
Console.Write(" <====\n");
```

//3# Your name:

```
Console.Write("Write your name: ");
student.Name = Console.ReadLine();
Console.Write("That is your name? " + "====> ");
Console.ForegroundColor = ConsoleColor.Cyan;
Console.Write(student.Name);
Console.ForegroundColor = ConsoleColor.Gray;
Console.Write(" <====\n");
```

//Show full name.

```
Console.Write("This is full your name? " + "====> ");
Console.ForegroundColor = ConsoleColor.Blue;
Console.Write(student.FamilyName + " " + student.MiddleName + " " + student.Name);
Console.ForegroundColor = ConsoleColor.Gray;
Console.Write(" <====\n");
```

//Enter your number phone.

```
Console.Write("Write your number phone: ");
if (int.TryParse(Console.ReadLine(), out int number))
{
    student.PhoneNumber = number;
    Console.Write("This your number? " + "====> ");
    Console.ForegroundColor = ConsoleColor.Cyan;
    Console.Write(number);
    Console.ForegroundColor = ConsoleColor.Gray;
    Console.Write(" <====\n");
}
else
{
    Console.WriteLine("Sorry it's not number !\n");
}
```

//Enter the email:

```
Console.Write("write your Email: ");
student.YourEmail = Console.ReadLine();
Console.Write("That your email? " + "====> ");
Console.ForegroundColor = ConsoleColor.Red;
Console.Write(student.YourEmail);
Console.ForegroundColor = ConsoleColor.Gray;
Console.Write(" <====\n\n");
```

//Show all projective.

```
Console.ForegroundColor = ConsoleColor.White;
Console.WriteLine("++++++");

Console.Write("That all your projective:\n" + "Full name: ");
Console.ForegroundColor = ConsoleColor.Blue;
Console.Write($" {student.FamilyName} { student.MiddleName} { student.Name}\n");
Console.ForegroundColor = ConsoleColor.White;
```

```
Console.Write("Group: ");
Console.ForegroundColor = ConsoleColor.Cyan;
Console.Write($"{student.NameGroup}\n");
Console.ForegroundColor = ConsoleColor.White;
Console.Write("Your number: ");
Console.ForegroundColor = ConsoleColor.Cyan;
Console.Write($"{student.PhoneNumber}\n");
Console.ForegroundColor = ConsoleColor.White;
Console.Write("Email: ");
Console.ForegroundColor = ConsoleColor.Red;
Console.Write($"{student.YourEmail}\n");
Console.ForegroundColor = ConsoleColor.White;

Console.WriteLine("++++++\n");

Console.ReadKey();
}
}
}
```