Name – s u r a j v i s h w a k a r m a
Class – Tybsc-IT
Practical-1(A)

Roll no – 22096
subject – Advance Web development
Date:- / /24

Practical 1: Advance web Development Practical

Practical 1A) Write the program for the following:

Aim:-Create an application to print on screen the output of adding, substracting, multiplying and divding two numbers entered by the user in c#.

```
using System;

namespace swapnil
{
    0 references
    class Program
    {
        0 references
        static void   Main (String[] args)
        {
            //Console.WriteLine("swapnil");

            int a,b,r1,r2,r3,r4;
            Console.WriteLine("Enter number 1");
            a=Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter number 2");
            b=Convert.ToInt32(Console.ReadLine());
            r1=a+b;
            Console.WriteLine("addition:"+r1+" is ans");
            r2=a-b;
            Console.WriteLine("sub:"+r2+" is ans");
            r3=a*b;
            Console.WriteLine("multi:"+r3+" is ans");
            r4=a/b;
            Console.WriteLine("div:"+r4+" is ans");

        }
    }
}
```

Output:-

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\IT Pc 3\Desktop\swapnil> dotnet run
Enter number 1
85
Enter number 2
98
addition:183 is ans
sub:-13 is ans
multi:8330 is ans
div:0 is ans
PS C:\Users\IT Pc 3\Desktop\swapnil>
```

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Practical 1B)

Aim:- Create an application to print Fylod's triangle till n rows in c#

```
using System;

namespace swapnil
{
    0 references
    class Program
    {
        1 reference
        static void printFloydTriangle(int n)
        {
           //Console.WriteLine("swapnil");
           int i,j, val = 1;
           for(i=1; i<=n; i++)
           {
            for(j=1; j<i; j++)
            {
                Console.Write(val+"");
                val++;
            }
            Console.WriteLine();
           }
        }
        0 references
        public static void Main()
        {
            printFloydTriangle(6);
        }
    }
}
```

Output:-

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\IT Pc 3\Desktop\swapnil> dotnet run

1
23
456
78910
1112131415
PS C:\Users\IT Pc 3\Desktop\swapnil>
```

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Practical 1C):

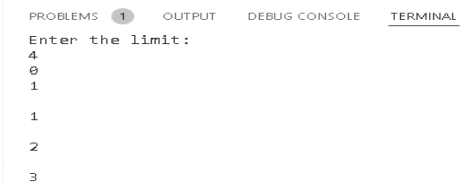
Aim: Create an application to demonstrate following operation i. Generate Fibonacci series. Ii. Test for primr numbers.

(1) Code:

```
using System;

namespace awd
{
  class Program
  {
    static void Main(string[] args)
    {
      int i = 2, count, f1 = 0, f2 = 1, f3 = 0;
      Console.WriteLine("Enter the limit: ");
      count = int.Parse(Console.ReadLine());
      Console.WriteLine(f1 + " ");
      Console.WriteLine(f2 + " ");
      do
      {
        f3 = f1 + f2;
        Console.Write("\n" + f3 + "\n");
        f1 = f2;
        f2 = f3;
        i++;
      }
      while (i <= count);
    }
  }
}
```

Output:



Name – s u r a j v i s h w a k a r m a
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(ii) Test for prime number

Code:

```
using System;
namespace awd
{
    class Program
    {
        static void Main(string[] args)
        {
            int i, count;
            Console.WriteLine("Enter a number: ");
            count = int.Parse(Console.ReadLine());
            for (i = 2; i <= count; i++)
            {
                if ((count % i) == 0)
                    break;
            }
            if (count == 1)
            {
                Console.WriteLine(count + " is neither prime not composite");
            }
            else if (i < count - 1)
            {
                Console.WriteLine(count + " is a composite number.");
            }
            else
            {
                Console.WriteLine(count + " is a prime number.");
            }
        }
    }
}
```

Output:

```
Enter a number:
2
2 is a prime number.
PS C:\Users\IT Pc 3\Desktop\awd> dotnet run
Enter a number:
4
4 is a composite number.
```