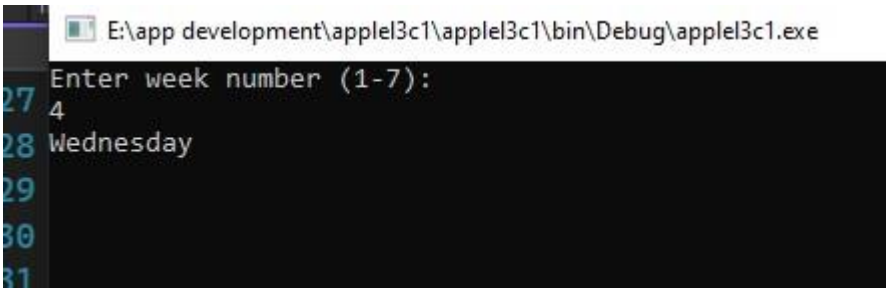
Tutorials3:

Q1: Write a program in which accept a number from the user between 1 to 7 and display corresponding days starting with Sunday.

Ans :-

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Text;
using System.Threading.Tasks;

namespace applel3c1
{
    internal class days
    {
        static void Main(string[] args)
        {
            int week;

            Console.WriteLine("Enter week number (1-7): ");
week = Convert.ToInt32(Console.ReadLine());

            if (week == 1)
            {
                Console.WriteLine("sunday");
            }
            else if (week == 2)
            {
                Console.WriteLine("Monday");
            }
            else if (week == 3)
            {
                Console.WriteLine("Tuescday");
            }
            else if (week == 4)
            {
                Console.WriteLine("Wednesday");
            }
            else if (week == 5)
            {
                Console.WriteLine("Thursday");
            }
            else if (week == 6)
            {
                Console.WriteLine("Friday");
            }
            else if (week == 7)
            {
                Console.WriteLine("saturday");
            }
else
            {
```

```
                Console.WriteLine("Invalid Input! Please enter week in between
17.");
            }

            Console.ReadLine();
        }
    }
}
```



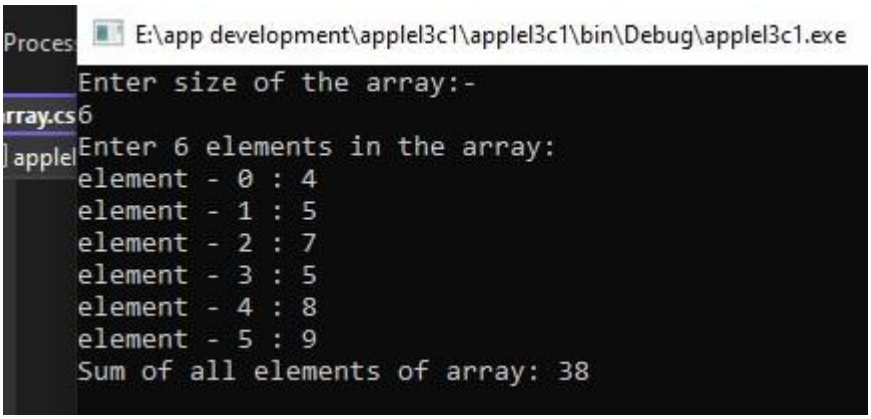
Q2: WAP to compute sum of even numbers.

Ans :-

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Text;
using System.Threading.Tasks;

namespace applel3c1
{
    internal class Even
    {
        static void Main(string[] args)
        {
            int i, num, sum = 0;


            Console.Write("Enter any number:- ");
num = Convert.ToInt32(Console.ReadLine());

            for (i = 2; i <= num; i += 2)
            {
                sum += i;
            }
            Console.WriteLine("Sum of all even number between 1 to " + num + " = " +
sum);

            Console.ReadLine();
        }
    }
}
```

Q3. WAP to find the sum of all elements of the array. Ans:-

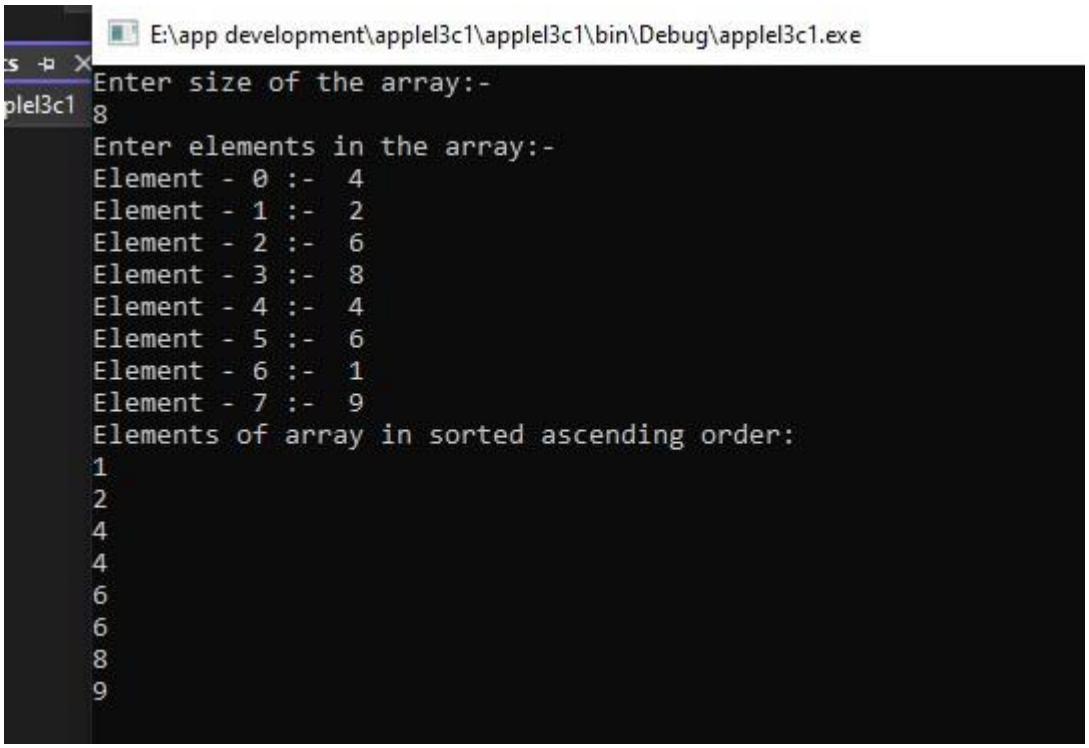
```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Text; using
System.Threading.Tasks;

namespace applel3c1
{
    internal class Sarray
    {
        public static void Main()
        {
            int[] arr = new int[100];
int i, num, sum = 0;


            Console.WriteLine("Enter size of the array:- ");
num = Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter " + num + " elements in the array: ");

            for (i = 0; i < num; i++)
            {
                Console.Write("element - {0} : ", i);
arr[i] = Convert.ToInt32(Console.ReadLine());
            }
            for (i = 0; i < num; i++)
            {
                sum = sum + arr[i];
            }

            Console.WriteLine("Sum of all elements of array: " + sum);

            Console.ReadLine();
        }
    }

}
```



Q4. WAP to sort elements of array in ascending order. Ans:-

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Text; using
System.Threading.Tasks;

namespace applel3c1
{
    internal class Four
    {
        public static void Main()
        {
            int[] arr = new int[100]; ;
int size, i, j, temp;


            Console.WriteLine("Enter size of the array:- ");
size = Convert.ToInt32(Console.ReadLine());

            Console.WriteLine("Enter elements in the array:- ");
for (i = 0; i < size; i++)
            {
                Console.Write("Element - {0} :-  ", i);
arr[i] = Convert.ToInt32(Console.ReadLine());

            }


            for (i = 0; i < size; i++)
            {
                for (j = i + 1; j < size; j++)
                {
                    if (arr[j] < arr[i])
                    {
temp = arr[i];
arr[i] = arr[j];
arr[j] = temp;
                    }
                }
            }
```

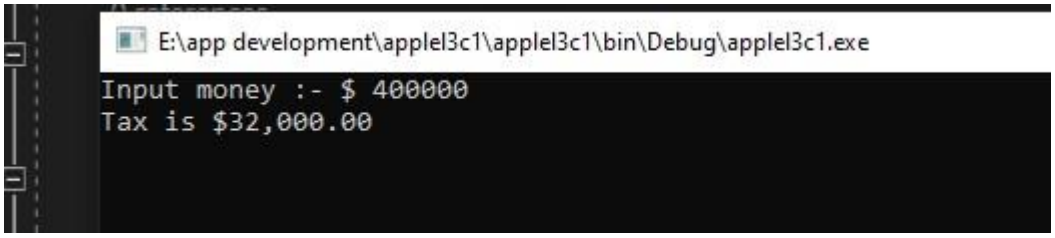
```
            Console.WriteLine("Elements of array in sorted ascending order:");
for (i = 0; i < size; i++)
            {
                Console.WriteLine(arr[i]);
            }
            Console.ReadLine();
        }
    }
}
```



Q5. Write a program of tax calculation. Accept money as input from the user and calculate the tax using following pattern.

Money	Percentage	Total Tax
Less than 10,000	5%	?
10,000 to 100,000	8%	?

More than 100,000	8.5%	?

Ans:-

```
using System;
using System.Collections.Generic;
using System.Linq; using
System.Text; using
System.Threading.Tasks;

namespace applel3c1
{
    internal class Money
    {
        public static void Main()
        {
            Console.Write("Input money :- $ ");
double money = double.Parse(Console.ReadLine());
double tax;             if (money < 10000)
            {
                tax = .05 * money;
            }
            else if (10000 <= 100000)
            {
                tax = .08 * money;
            }
else             {
                tax = .085 * money;
            }

            Console.WriteLine("Tax is {0:C}", tax);
            Console.ReadKey();
        }
    }
}
```