Assignment no – 1

Roll no-27
1) Write a program to calculate a simple message

Code:

```
using System;

namespace Journal
{
    class SimpleMessage
    {
        static void Main(String [] args)
        {
            Console.WriteLine("Hello World...");
            Console.ReadKey();
        }
    }
}
```

Output

Hello World...

Roll no -27

2) Write a program to calculate all arithmetic operations.

Code:

```
using System;

namespace Journal
{
    class Arithmatic
    {
        static void Main(string[] args)
        {
            int x, y, z;
            Console.WriteLine("Enter first number");
            x = int.Parse(Console.ReadLine());
            Console.WriteLine("Enter second number");
            y = int.Parse(Console.ReadLine());
            z = x + y;
            Console.WriteLine("Sum of {0} and {1} is {2}", x, y, z);

            z = x - y;
            Console.WriteLine("Substraction of {0} and {1} is {2}", x, y, z);
            z = x * y;
            Console.WriteLine("Multiplication of {0} and {1} is {2}", x, y, z);
            z = x / y;
            Console.WriteLine("Division of {0} and {1} is {2}", x, y, z);
            z = x % y;
            Console.WriteLine("Modulus of {0} and {1} is {2}", x, y, z);

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

Output:

Enter first number

67

Enter second number

4

Sum of 67 and 4 is 71

Substraction of 67 and 4 is 63

Multiplication of 67 and 4 is 268

Division of 67 and 4 is 16

Modulus of 67 and 4 is 3

Roll no-27

3) Write a program to calculate compound interest.

Code:

```
using System;

namespace Journal
{
   class CompoundInterest
   {
      static void Main (String[] args)
      {
         double p, n, r, i;
         Console.WriteLine("Enter principle amount");
         p = double.Parse(Console.ReadLine());
         Console.WriteLine("Enter number of years");
         n = double.Parse(Console.ReadLine());
         Console.WriteLine("Enter rate");
         r = double.Parse(Console.ReadLine());

         i = p * Math.Pow((1 + (r / 100)), n) - p;

         Console.WriteLine("Interest is {0}", i);
         Console.ReadKey();
      }
   }
}
```

Output:

```
Enter principle amount

500000

Enter number of years

3

Enter rate

12

Interest is 202464
```

Roll no-27

4) Write a program to calculate area and circumference of circle.

Code:

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

namespace Journal
{
    class Class2
    {
        static void Main(String[] args)
        {
            double radius, circum, area;
            Console.WriteLine("Enter radius");
            radius = double.Parse(Console.ReadLine());

            circum = 2 * 3.1415 * radius;
            area = 3.1415 * Math.Pow(radius, 2);

            Console.WriteLine("The circumference and area of circle with radius {0} unit are
{1} unit and {2} sq unit", radius, circum, area);
            Console.ReadKey();
        }
    }
}
```

Output-

Enter radius

5

The circumference and area of circle with radius 5 unit are 31.415 unit and 78.5375 sq unit

Roll no -27

5) Write a program to convert centigrade of temperature.
Code:

```
Using system;
namespace ConsoleApplication1
{
   class Temperature
   {
      static void Main(string[] args)
      {
         float c, f;
         Console.WriteLine("Enter celcius temperature");
         c = float.Parse(Console.ReadLine());
         f = (9 * c)/5 + 32;
         Console.WriteLine("The farenheit temp is {0}", f);
         Console.ReadKey();
      }
   }
}
```

Output:

Enter celcius temperature

34

The farenheit temp is 93.2

Roll No:27

6) Write a program to calculate gross salary if HRA 20% and DA= 500 of basic salary
Code-

```
using System;
namespace ConsoleApplication
{
    class Salary
    {
        static void Main(String[] args)
        {
            double basicSalary, da, hra, grossSalary;
            Console.Write("Enter Basic Salary:");
            basicSalary = Convert.ToDouble(Console.ReadLine());
            hra = (basicSalary * 20) / 100;
            da = 500;
            grossSalary = basicSalary + da + hra;
            Console.WriteLine("\nDearness allowance = {0}", da);
            Console.WriteLine("\nHouse Rent 20% of basicSalary = {0}", hra);
            Console.WriteLine("Gross Salary = {0}",  grossSalary);
            Console.ReadKey();
        }
    }

}
```

Output-

Enter Basic Salary:20000

Dearness allowance = 500

House Rent 20% of basicSalary = 4000

Gross Salary = 24500

Roll no-27

7. Write a program to calculate squre and cube of input number.

Code-

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

namespace journal_1
{
    class Class5
    {
        static void Main(string [] args)
        {
         float no, sq, c;
            Console.WriteLine("Enter values of number:");
            no = float.Parse(Console.ReadLine());
            sq = no * no;
            c = no * no * no;
            Console.WriteLine("Square of number {0}", sq);
            Console.WriteLine("cube of number {0}", c);
            Console.ReadKey();


        }
    }
}
```

Output-

Enter values of number:

6

Square of number 36

cube of number 216

Roll no-27

8) Write a program to calculate addition using command line.

Code:

```
using System;
namespace ComLineArg
{
    class CmdLine
    {
        static void Main(string[] args)
        {
            int sum = 0;
            if (args.Length > 0)
            {
                foreach (String obj in args)
                {
                    sum = sum + int.Parse(obj);
                }
                Console.WriteLine("sum of numbers is {0}", sum);
            }
        }
    }
}
```

Output:

C:\Users\Suhag\Documents\Visual Studio 2015\WebProjects\journal 1\journal 1\bin\Debug>"journal 1.exe" 34 5 3 6 6 7 7 23

sum of numbers is 91

Roll No.:27

9) Write a program to input three subject marks print total marks and percentage using command argument.

Code-

```
using System;
namespace ConsoleApplication
{
    class Per
    {
        static void Main(string[] args)
        {
            double rollno, Maths, Management, Account, total;
            double per;
            string name;

            rollno = double.Parse(args[0]);
            name = args[1];
            Maths = double.Parse(args[2]);
            Management = double.Parse(args[3]);
            Account = double.Parse(args[4]);

            total = Maths + Management + Account;
            per = (total / 300) * 100;
            Console.Write("rollno: {0}\n name of student: {1}\n", rollno, name);
            Console.Write("marks in Maths: {0}\n marks in Mangement: {1}\n marks in
Account:{2}\n", Maths, Management, Account);
            Console.Write("total marks {0} \n ", total);
            Console.Write(" per = {0} ", per);
            Console.ReadKey();
        }
    }
}
```

C:\Users\Suhag\Documents\Visual Studio 2015\WebProjects\journal 1\journal 1\bin\Debug>"journal 1.exe" 27 seema 56 60 64

rollno: 27

name of student: seema

marks in Maths: 56

marks in Mangement: 60

marks in Account:64

total marks 180

per = 60

Roll no-27

10.Write a program for multiple main function

Code:

```
using System;

namespace Journal
{

    public class Classone
    {
        static void Main(String[] args)
        {
            Console.WriteLine("class no 1");
            Console.ReadKey();
        }
    }
    public class classtwo
    {
        static void Main(String[] args)
        {
            Console.WriteLine("class no 2");
            Console.ReadKey();
        }
    }
}
```

Output

Class 1

class no 1

Class 2

class no 2

Assignment no – 2

Roll no 27

1) Write a program using if statement.

Code:

```
using System;

namespace ConsoleApplication1
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter your age");
            int age = int.Parse(Console.ReadLine());

            if(age>= 18)
            {
                Console.WriteLine("You are eligible for voting");
            }
            Console.ReadKey();
        }
    }
}
```

Output:

Enter your age

20

You are eligible for voting

Roll no 27

2) Write a program using if_else statement.

Code:

```
using System;

namespace ConsoleApplication1
{
    class Program1
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter a number");
            int num = int.Parse(Console.ReadLine());

            if (num % 2 == 0)
            {
                Console.WriteLine("{0} is even", num);
            }
            else
            {
                Console.WriteLine("{0} is odd", num);
            }
            Console.ReadKey();
        }
    }
}
```

Enter a number

3

3 is odd

Roll no 27

3) Write a program to calculate percentage & display grade using Nested if_else statement.

Code:

```
using System;

namespace ConsoleApplication1
{
    class Class2
    {
        public static void Main()
        {
            Console.WriteLine("Enter 5 subject marks");
            int ma, vp, db, net, ec;
            ma = int.Parse(Console.ReadLine());
            vp = int.Parse(Console.ReadLine());
            db = int.Parse(Console.ReadLine());
            net = int.Parse(Console.ReadLine());
            ec = int.Parse(Console.ReadLine());

            int max_marks = 500;
            int total = ma + vp + db + net + ec;
            char grade = 'F';
            double percentage = ((double)(total) / max_marks) * 100;
            if (percentage >= 90)
            {
                grade = 'A';
            }
            else
            {
                if (percentage >= 80 && percentage <= 89)
                {
                    grade = 'B';
                }
                else
                {
                    if (percentage >= 60 && percentage <= 79)
                    {
                        grade = 'C';
                    }
                    else
                    {
                        if (percentage >= 33 && percentage <= 59)
                        {
                            grade = 'D';
                        }
                        else
                        {
                            grade = 'F';
```

```
                }
            }
        }
    }
    Console.WriteLine("Percentage = {0}", percentage);
    Console.WriteLine("Grade = {0}", grade);
    Console.ReadKey();
  }
 }
}
```

Output-

Enter 5 subject marks

56

45

67

76

56

Percentage = 60

Grade = C

Roll no-27

4) Write a program to enter any character & frame it is capital Letter, small letter, digit or special symbol.

Code:

```
using System;

class ConsoleApp
{
    public static void Main(String[] args)
    {
        char ch;
        Console.WriteLine("Enter any character");
        ch = char.Parse(Console.ReadLine());
        if (ch >= '0' && ch <= '9')
        {
            Console.WriteLine("\n" + ch + " is an numeric character");
        }
        if (ch >= 'A' && ch <= 'Z')
        {
            Console.WriteLine("\n" + ch + " is an UpperCase character");
        }
        if (ch >= 'a' && ch <= 'z')
        {
            Console.WriteLine("\n" + ch + " is an LowerCase character");
        }
        if (ch >= 'A' && ch <= 'Z')
        {
            Console.WriteLine("\n" + ch + " is an UpperCase character");
        }
        if (ch >= 33 && ch <= 47 || ch >= 58 && ch <= 64)
        {
            Console.WriteLine("\n" + ch + " is an special character");
        }
        Console.ReadKey();
    }
}
```

Output-

```
Enter any character

%

% is an special character
```

Roll no-27

5) Write a program using else_ladder.

Code:

```
using System;

namespace ConsoleApplication1
{
    class Class3
    {
        public static void Main()
        {
            Console.WriteLine("Enter 5 subject marks");
            int ma, vp, db, net, ec;
            ma = int.Parse(Console.ReadLine());
            vp = int.Parse(Console.ReadLine());
            db = int.Parse(Console.ReadLine());
            net = int.Parse(Console.ReadLine());
            ec = int.Parse(Console.ReadLine());

            int max_marks = 500;
            int total = ma + vp + db + net + ec;
            char grade = 'F';
            double percentage = ((double)(total) / max_marks) * 100;
            if (percentage >= 90)
            {
                grade = 'A';
            }
            else if (percentage >= 80 && percentage <= 89)
            {
                grade = 'B';
            }
            else if (percentage >= 60 && percentage <= 79)
            {
                grade = 'C';
            }
            else if (percentage >= 33 && percentage <= 59)
            {
                grade = 'D';
            }
            else
            {
                grade = 'F';
            }

            Console.WriteLine("Percentage = {0}", percentage);
            Console.WriteLine("Grade = {0}", grade);
            Console.ReadKey();
        }
    }
```

}

Output-

Enter 5 subject marks

45

65

67

76

55

Percentage = 61.6

Grade = C

Roll no-27

6) Write a program to calculate factorial of given number using For loop

Code:

```
using System;
public class FactorialExample
{
    public static void Main(string[] args)
    {
        int i, fact = 1, number;
        Console.Write("Enter any Number: ");
        number = int.Parse(Console.ReadLine());
        for (i = 1; i <= number; i++)
        {
            fact = fact * i;
        }
        Console.Write("Factorial of " + number + " is: " + fact);
        Console.ReadKey();
    }
}
```

Output-

Enter any Number: 6

Factorial of 6 is: 720

Roll no-27

7) Write a program to input number & print sum of digit using While loop.

Code:

```
using System;
namespace sumofdigits
{
   public class SumOfDigits
   {
      public static void Main(string[] args)
      {
         int n, sum = 0, m;
         Console.Write("Enter one number: ");
         n = int.Parse(Console.ReadLine());
         while (n > 0)
         {
            m = n % 10;
            sum = sum + m;
            n = n / 10;
         }
         Console.Write("Sum is = " + sum);
         Console.ReadKey();
      }
   }
}
```

Output-

Enter one number: 33445

Sum is = 19

Roll no-27

8) Write a program to print Fibonacci series using do_while Loop.

Code:

```
using System;
namespace fibseries
{
   public class ConsoleApp
   {
      public static void Main(string[] args)
      {
         int n1 = 0, n2 = 1, n3, i, number;
         Console.Write("Enter the number of elements: ");
         number = int.Parse(Console.ReadLine());
         Console.Write(n1 + " " + n2 + " ");
         i = 2;
         do
         {
            ++i;
            n3 = n1 + n2;
            Console.Write(n3 + " ");
            n1 = n2;
            n2 = n3;
         }
         while (i < number);
         Console.ReadKey();
      }
   }
}
```

Output

Enter the number of elements: 22

0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765 10946

Roll no-27

9) Write a program to print following pattern

*

**

***

****

*****

Code:

```
using System.IO;
using System;
namespace pattern
{
    class Program2
    {
        static void Main()
        {
            for (int i = 1; i <= 5; ++i)
            {
                for (int j = 1; j <= i; ++j)
                {
                    Console.Write("*");
                }
                Console.WriteLine();
            }
            Console.ReadKey();
        }
    }
}
```

Output-

*

**

***

****

*****

Roll no-27

10) Write a program using break & continue statement

Code:

```
using System;

class BreakContinue
{
    static public void Main()
    {
        for (int i = 1; i < 15; i++)
        {
            if(i==6)
            {
                continue;
            }
            if (i == 10)
            {
                break;
            }
            Console.WriteLine(i);
        }
        Console.ReadKey();
    }
}
```

Output-

```
1

2

3

4

5

7

8

9
```

Roll no-27

11) Write a program for menu driven using switch

1] Odd or Even

2] Armstrong or Not

3] Palindrome or Not

4] Prime or Not

5] Exit

Code:

```
using System;

public class SwitchSt
{
    public static void Main(String[] args)
    {
        int temp, r, sum = 0;
        while (true)
        {
            int op, num;

            Console.WriteLine("1. Odd/Even \n 2. Armstrong \n 3. Palindrome \n 4. Prime \n
5. Exit \n Choose operation");

            op = int.Parse(Console.ReadLine());

            switch (op)
            {
                case 1:
                    Console.WriteLine("Enter num");
                    num = int.Parse(Console.ReadLine());
                    if (num % 2 == 0)
                    {
                        Console.WriteLine("{0} is even", num);
                    }
                    else
                    {
                        Console.WriteLine("{0} is odd", num);
                    }
                    break;
                case 2:
                    Console.WriteLine("Enter num");
                    num = int.Parse(Console.ReadLine());
                    sum = 0;
                    temp = num;
                    while (num > 0)
                    {
                        r = num % 10;
```

```
            sum = sum + (r * r * r);
            num = num / 10;
        }
        if (temp == sum)
        {
            Console.Write("Armstrong Number.");
        }
        else
        {
            Console.Write("Not Armstrong Number.");
        }
        break;

    case 3:
        Console.WriteLine("Enter num");
        num = int.Parse(Console.ReadLine());
        sum = 0;
        temp = num;
        while (num > 0)
        {
            r = num % 10;
            sum = (sum * 10) + r;
            num = num / 10;
        }
        if (temp == sum)
            Console.Write("Number is Palindrome.");
        else
            Console.Write("Number is not Palindrome");
        break;
    case 4:
        Console.WriteLine("Enter num");
        num = int.Parse(Console.ReadLine());
        int n = num, i, m = 0, flag = 0;
        m = n / 2;
        for (i = 2; i <= m; i++)
        {
            if (n % i == 0)
            {
                Console.Write("Number is not Prime.");
                flag = 1;
                break;
            }
        }
        if (flag == 0)
            Console.Write("Number is Prime.");
        break;
    case 5:
        System.Environment.Exit(0);
        break;
}
Console.ReadKey();
```

```
      }
    }
}
```

Output:

1. Odd/Even
 2. Armstrong
 3. Palindrome
 4. Prime
 5. Exit
 Choose operation
1
Enter num
4
4 is even
1. Odd/Even
 2. Armstrong
 3. Palindrome
 4. Prime
 5. Exit
 Choose operation
1
Enter num
3
3 is odd
1. Odd/Even
 2. Armstrong
 3. Palindrome
 4. Prime
 5. Exit
 Choose operation
2

Enter num

153

1. Odd/Even mber.

2. Armstrong

3. Palindrome

4. Prime

5. Exit

Choose operation

3

Enter num

343

1. Odd/Even lindrome.

2. Armstrong

3. Palindrome

4. Prime

5. Exit

Choose operation

4

Enter num

17

1. Odd/Even ime.

2. Armstrong

3. Palindrome

4. Prime

5. Exit

Choose operation

Assignment No 3

Roll no-27
1) Write a program for implicit casting.
Code:

```
using System;

namespace ConsoleApplication1
{
    class Program
    {
        static void Main(string[] args)
        {
            int intNo = 23;
            double doubleNo = intNo;

            Console.WriteLine("intNo = {0}", intNo);
            Console.WriteLine("doubleNo = {0}", doubleNo);
            Console.ReadKey();
        }
    }
}
```

Output-

```
intNo = 23

doubleNo = 23
```

Roll no-27

2) Write a program for explicit casting.

Code:

```
using System;

namespace ConsoleApplication1
{
    class Program
    {
        static void Main(string[] args)
        {
            double doubleNo = 34.67;

            int intNo = (int)doubleNo;

            Console.WriteLine("doubleNo = {0}", doubleNo);
            Console.WriteLine("intNo = {0}", intNo);

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

Output-

doubleNo = 34.67

intNo = 34

Roll no-27

3) Write a program for pass by value.

Code:

```
using System;

namespace ConsoleApp
{
    class PassByValue
    {
        public void swap(int x, int y)
        {
            Console.WriteLine("Before swap in swap, value of x : {0}", x);
            Console.WriteLine("Before swap in swap, value of y : {0}", y);
            int temp;
            temp = x;
            x = y;
            y = temp;
            Console.WriteLine("After swap in swap, value of x : {0}", x);
            Console.WriteLine("After swap in swap, value of y : {0}", y);
        }
        static void Main(string[] args)
        {
            PassByValue n = new PassByValue();
            int a = 100;
            int b = 200;
            Console.WriteLine("Before swap, value of a : {0}", a);
            Console.WriteLine("Before swap, value of b : {0}", b);
            n.swap(a, b);
            Console.WriteLine("After swap, value of a : {0}", a);
            Console.WriteLine("After swap, value of b : {0}", b);
            Console.ReadLine();
        }
    }
}
```

Output-

Before swap, value of a : 100

Before swap, value of b : 200

Before swap in swap, value of x : 100

Before swap in swap, value of y : 200

After swap in swap, value of x : 200

After swap in swap, value of y : 100

After swap, value of a : 100

After swap, value of b : 200

Roll no-27

4) Write a program for pass by reference.

Code:

```
using System;

namespace ConsoleApp2
{
    class PassByRef
    {
        public void swap(ref int x, ref int y)
        {
            Console.WriteLine("Before swap in swap, value of x : {0}", x);
            Console.WriteLine("Before swap in swap, value of y : {0}", y);
            int temp;
            temp = x;
            x = y;
            y = temp;
            Console.WriteLine("After swap in swap, value of x : {0}", x);
            Console.WriteLine("After swap in swap, value of y : {0}", y);
        }
        static void Main(string[] args)
        {
            PassByRef n = new PassByRef();
            int a = 100;
            int b = 200;
            Console.WriteLine("Before swap, value of a : {0}", a);
            Console.WriteLine("Before swap, value of b : {0}", b);
            n.swap(ref a, ref b);
            Console.WriteLine("After swap, value of a : {0}", a);
            Console.WriteLine("After swap, value of b : {0}", b);
            Console.ReadLine();
        }
    }
}
```

Output-

Before swap, value of a : 100

Before swap, value of b : 200

Before swap in swap, value of x : 100

Before swap in swap, value of y : 200

After swap in swap, value of x : 200

After swap in swap, value of y : 100

After swap, value of a : 200

After swap, value of b : 100

Roll no-27

5) Write a program for out parameter.

Code:

```
using System;

namespace ConsoleApp3
{
    class OutParam
    {
        static public void Main()
        {
            int i;
            Addition(out i);
            Console.WriteLine("The addition of the value is: {0}", i);
            Console.ReadKey();
        }
        public static void Addition(out int i)
        {
            i = 30;
            i += i;
        }

    }
}
```

Output-

The addition of the value is: 60

Roll no-27

6) Write a program for input array & print the elements & sum of elements.

Code:

```
using System;

namespace ConsoleApplication1
{
    class Class4
    {
        static void Main()
        {
            int[] arr = new int[10];
            int i;
            Console.WriteLine("Enter 10 numbers");
            for (i = 0; i < 10; i++)
            {
                Console.Write("element - {0} : ", i);
                arr[i] = Convert.ToInt32(Console.ReadLine());
            }
            int sum = 0;
            Console.Write("\nElements in array are: ");
            for (i = 0; i < 10; i++)
            {
                sum = sum + arr[i];
                Console.WriteLine("{0}  ", arr[i]);
            }
            Console.WriteLine("Sum : {0}", sum);
            Console.ReadKey();
        }
    }
}
```

Output-

Enter 10 numbers

element - 0 : 1

element - 1 : 2

element - 2 : 3

element - 3 : 4

element - 4 : 5

element - 5 : 6

element - 6 : 7

element - 7 : 8

element - 8 : 5

element - 9 : 4

Elements in array are: 1

2

3

4

5

6

7

8

5

4

Sum : 45

Roll no-27

7) Write a program for boxing.

Code:

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

namespace ConsoleApplication1
{
    class Class5
    {
        static void Main()
        {
            int no = 10;
            object obj = no;

            Console.WriteLine("no = {0}", no);
            Console.WriteLine("int from obj = {0}", (int)obj);
            Console.ReadKey();
        }
    }
}
```

Output-

```
no = 10

int from obj = 10
```

Roll no-27

8) Write a program for unboxing.

Code:

```
using System;

namespace ConsoleApplication3
{
    class Class5
    {
        static void Main()
        {
            object obj = 10;
            int no = (int)obj;

            Console.WriteLine("int from obj = {0}", (int)obj);
            Console.WriteLine("no = {0}", no);
            Console.ReadKey();
        }
    }
}
```

Output-

int from obj = 10

no = 10

Roll no-27

9) Write a program for partial class.

Code:

```
using System;

namespace PartialClass
{
    public partial class Employee
    {
        public int EmpId { get; set; }
        public string FirstName { get; set; }
        public string LastName { get; set; }
        public int Age { get; set; }
    }

    public partial class Employee
    {
        public Employee(int Id, string FName, string LName)
        {
            this.EmpId = Id;
            this.FirstName = FName;
            this.LastName= LName;
        }

        static void Main()
        {
            Employee e = new Employee(7, "Seema", "Bhanuse");
            e.DisplayEmployeeInfo();
            Console.ReadKey();
        }

        public void DisplayEmployeeInfo()
        {
            Console.WriteLine("Employee Info: ");
            Console.WriteLine(this.EmpId + " " + this.FirstName + " " + this.LastName);
        }

        public void Save(int id, string firstName, string lastName)
        {
            Console.WriteLine("Saved!");
        }
    }

}
```

Output-

Employee Info:

7 Seema Bhanuse

Roll no-27

10) Write a program for passing array to the function.

Code:

```
using System;

class PassArray
{
    static void Main()
    {
        string[] weekDays = { "Sun", "Mon", "Tue", "Wed", "Thu", "Fri", "Sat" };
        printArray(weekDays);
        Console.ReadKey();
    }

    static void printArray(string[] arr)
    {
        Console.WriteLine("Elements are : ");
        for (int i=0; i< arr.Length; i++)
        {
            Console.WriteLine("arr[{0}] = {1}", i, arr[i]);
        }
    }
}
```

Output-

Elements are :

arr[0] = Sun

arr[1] = Mon

arr[2] = Tue

arr[3] = Wed

arr[4] = Thu

arr[5] = Fri

arr[6] = Sat