Assignment 1

1. wap to perform add,sub,mul,div of two numbers.

2. wap to display the table of any number.

3. wap to whether given num is prime.

4. wap to check whether given num is odd.

5. wap to display odd numbers between 1 to 10.

6. create an array and enter 5 different values.

7.enter marks of 5 different subjects and calculate total and percentage.

8.find out max number from given array.

1. wap to perform add,sub,mul,div of two numbers.

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

namespace _10ce052
{
   class calc
   {
      static void Main(string[] args)
      {
         int a, b;
         Console.Write("enter first number :");
         string s = Console.ReadLine();
         a = Convert.ToInt16(s);
         Console.Write("enter second number :");
         string t = Console.ReadLine();
         b = Convert.ToInt16(t);
         Console.WriteLine("choose operation :");
         Console.WriteLine("1. add");
         Console.WriteLine("2. sub");
         Console.WriteLine("3. mul");
         Console.WriteLine("4. div");
         string u = Console.ReadLine();
         int op = Convert.ToInt16(u);
         int c=0;
         if (op == 1)
         {
            c = a + b;
         }
         else if (op == 2)
         {
            c = a - b;
         }
         else if (op == 3)
         {
            c = a * b;
         }
         else
         {
            if (b != 0)
               c = a / b;
            else
            {
```

```
                Console.WriteLine("can not devide by zero!");
                goto skip1;
            }
        }

        Console.Write("result is : " + c);
    skip1:
        Console.ReadKey();
    }
  }
}
```

2. wap to display the table of any number.

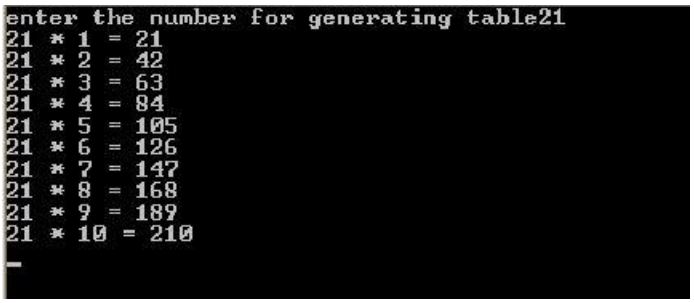
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace net1
{
   class net2
   {
      static void Main(string[] args)
      {
         Console.Write("enter the number for generating table");
         int x = int.Parse(Console.ReadLine());

         for (int i = 0; i <=9; i++)
         {
            Console.WriteLine(x+" * "+(i+1)+" = " +((i+1)*x));

         }


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



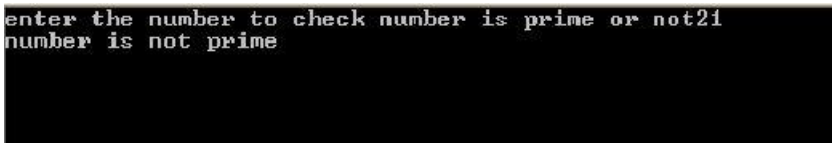
3. wap to whether given num is prime.

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

namespace net1
{
   class prime
   {
      static void Main(string[] args)
      {
         Console.Write("enter the number to check number is prime or not");
         int x = int.Parse(Console.ReadLine());
         int n=0;
        for(int i=1;i<=x;i++)
         {
           int z=x%i;
           if(z==0)
           {
              n++;
           }


         }
        if (n == 2)
        {
           Console.WriteLine("number is prime");
        }
        else
        {
           Console.WriteLine("number is not prime");
        }


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



4. wap to check whether given num is odd.

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

namespace net1
{
   class oddeven
   {
      static void Main(string[] args)
      {
         Console.Write("enter the number to check number is even or not");
         int x = int.Parse(Console.ReadLine());



         if (x % 2==0)
         {
            Console.WriteLine("number is even");
         }
         else
         {
            Console.WriteLine("number is odd");
         }


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

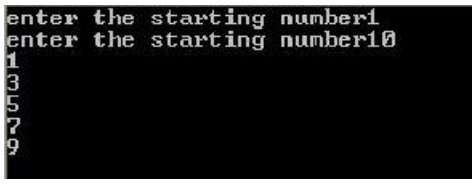
5. wap to display odd numbers between 1 to 10.

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

namespace net1
{
   class ass15
   {
      static void Main(string[] args)
      {
         Console.Write("enter the starting number");
         int x = int.Parse(Console.ReadLine());
         Console.Write("enter the ending number");
         int y = int.Parse(Console.ReadLine());
         for(int i=x ;i<=y ;i++)
         {
         if (i % 2 != 0)
         {
            Console.WriteLine(i);
         }

         }

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



6. create an array and enter 5 different values.

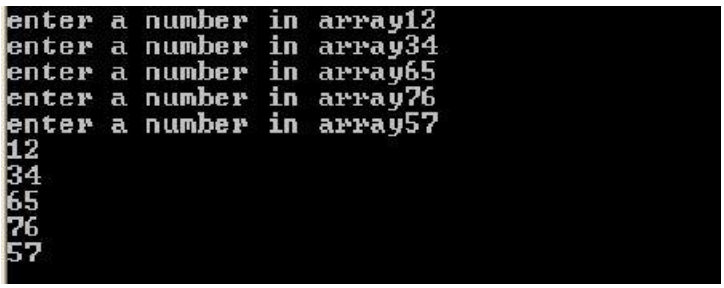
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace net1
{
   class array
   {
      static void Main(string[] args)
      {
         int[] a=new int[5];

         for (int i = 0; i <= 4; i++)
         {
            Console.Write("enter a number in array");
             a[i]=int.Parse(Console.ReadLine());

         }
         for (int i = 0; i <= 4; i++)

         {
            Console.Write(a[i]+"\n");
         }
         Console.ReadKey();
      }
   }
}
```



7.enter marks of 5 different subjects and calculate total and percentage.

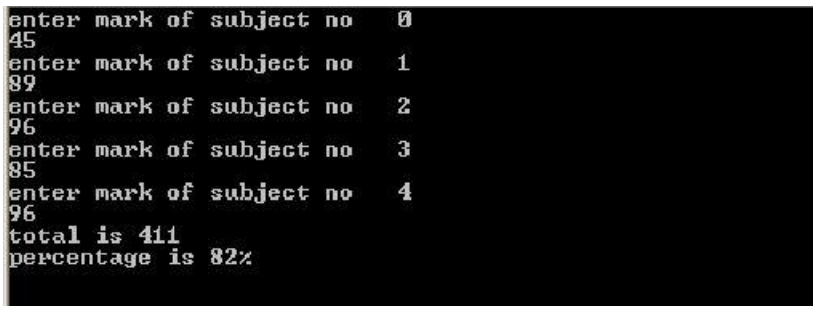
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace net1
{
   class marks
   {
      static void Main(string[] args)
      {
         int[] a = new int[5];
         for (int i = 0; i <= 4; i++)
         {
            Console.WriteLine("enter mark of subject no   "  + i);
            a[i] = int.Parse(Console.ReadLine());

         }

            int total=a[0]+a[1]+a[2]+a[3]+a[4];
            Console.Write("total is "+ total+ "\n");
         int per=total/5;
            Console.Write("percentage is "+ per+ "% \n");

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



8.find out max number from given array.

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

namespace _10ce052
{
   class max1
   {
      static void Main(string[] args)
      {
         int[] a = new int[5];
         int max = 0;
         for (int i = 0; i < 5; i++)
         {
            Console.WriteLine("enter " + (i + 1) + " number :");
            a[i] = int.Parse(Console.ReadLine());
         }
         max = a[0];
         for (int i = 0; i < 5; i++)
         {
            if (a[i] > max)
               max = a[i];
         }
         Console.WriteLine(" maximum number is : " + max);
         Console.ReadKey();
      }
   }
}
```

```
enter 1 number :
10
enter 2 number :
5
enter 3 number :
8
enter 4 number :
17
enter 5 number :
20
maximum number is : 20
```