```csharp
namespace اختلاف_سنی
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int y1, m1, d1, y2, m2, d2, r, r1, r2, r3;
            Console.WriteLine(" ple enter friest year birth : ");
            y1 = int.Parse(Console.ReadLine());
            Console.WriteLine(" ple enter friest year birth : ");
            m1 = int.Parse(Console.ReadLine());
            Console.WriteLine(" ple enter friest year birth : ");
            d1 = int.Parse(Console.ReadLine());
            Console.WriteLine(" ple enter friest year birth : ");
```

```csharp
            y2 = int.Parse(Console.ReadLine());
            Console.WriteLine("ple enter friest
year birth : ");
            m2 =
int.Parse(Console.ReadLine());
            Console.WriteLine("ple enter friest
year birth : ");
            d2 = int.Parse(Console.ReadLine());
            if(m1<=6)
            {
                r1 = 365 - (m1 - 1) * 31 + d1;
            }
            else
            {
                r1 = 365 - (186 + ((m1 - 7) * 30)
+ d1);
            }
            if(m2<=6)
            {
                r2 = 365 - (m2 - 1) * 31 + d2;
```

```csharp
            }
        else
        {
            r2 = 365 - (186 + ((m2 - 7) * 30)
+ d2);

        }
        r3 = (y2 - y1 - 1) * 365;
        r = r1 + r2 + r3;
        Console.WriteLine("" +r);
        Console.ReadKey();
        }
    }
}
```

سوال 2

```csharp
namespace تاریخ_تولد_یک_شخص_در_نوروز_1404
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int y, m, d, r, r1, r2;
```

```csharp
            Console.WriteLine("ple enter years of birth : ");
        y = int.Parse(Console.ReadLine());
        Console.WriteLine("ple enter month of birth : ");
        m = int.Parse(Console.ReadLine());
        Console.WriteLine("ple enter birth days : ");
        d = int.Parse(Console.ReadLine());
        r1 = (1404 - y - 1) * 365;
        if (m <= 6)
            r2 = 365 - ((m - 1) * 31 + d);
        else
            r2 = 365 - (186 + (m - 7) * 30 + d);
        r = r1 + r2;
        Console.WriteLine("You have lived '"+r+"' days.");
        y = r / 365;
        m = (r % 365) / 30;
        d = ((r % 365) % 30);
```

```csharp
            Console.WriteLine(y+" years and
"+m+" month and "+d+" deys");
            Console.ReadKey();
```

سوال 3

```csharp
namespace تشکیل_تصاعد_حسابی
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int num1, num2, num3, e1, e2;
            Console.Write("Please enter the
first number : ");
            num1 =
int.Parse(Console.ReadLine());
            Console.Write("Please enter the
second number : ");
            num2 =
int.Parse(Console.ReadLine());
```

```csharp
        Console.Write("Please enter the
third number : ");
        num3 =
int.Parse(Console.ReadLine());
        e1 = num1 - num2;
        e2 = num2 - num3;
        if (e1 == e2)
        Console.WriteLine("These three
numbers are an arithmetic progression
!");
        else
        Console.WriteLine("These three
numbers are not an arithmetic
progression !");
        Console.ReadKey();
    }
```

سوال 4

```csharp
namespace حاصل_طبق_کاراکتر_در_یافتی
{
    internal class Program
    {
        static void Main(string[] args)
        {
            double a, b;
            int c;
            Console.WriteLine("ple enter number 1 : ");
            a = double.Parse(Console.ReadLine());
            Console.WriteLine("ple enter number 2 : ");
            b = double.Parse(Console.ReadLine());
            Console.WriteLine("Please enter the desired operation number : ");
            Console.WriteLine("1- Multiplication ");
            Console.WriteLine("2- Division ");
```

```csharp
Console.WriteLine("3- Plural ");
Console.WriteLine("4- minus ");
Console.Write("Number : ");
c = int.Parse(Console.ReadLine());
if (c == 1)
    Console.WriteLine("result = " +
(a * b));
    else if (c==2)
        Console.WriteLine("result = " +
(a / b));
        else if (c == 3)
            Console.WriteLine("result = " +
(a + b));
            else if (c == 4)
                Console.WriteLine("result = " +
(a - b));
        Console.ReadKey();
    }
```

سوال 5

```csharp
namespace مرتب_کردن_سه_عدد
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int a, b, c, d;
            Console.WriteLine("ple number 1 : ");
            a = int.Parse(Console.ReadLine());
            Console.WriteLine("ple number 1 : ");
            b = int.Parse(Console.ReadLine());
            Console.WriteLine("ple number 1 : ");
            c = int.Parse(Console.ReadLine());
            if (a>b)
            {
                d = a; a = b; b = d;
            }
            if (a > c)
```

```
        {
            d = a;a = c;c = d;
        }
        if (b>c)
        {
            d = a;a = c;c = d;
        }
        Console.WriteLine(a + "-" + b +
"-" + c + "");
        Console.ReadLine();
```

سوال6

```
namespace مضارب_5_بین_دو_عدد
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int a, b, i;
            Console.WriteLine("ple enter
```

```
number 1 : ");
        a = int.Parse(Console.ReadLine());
        Console.WriteLine(" ple enter
number 2 : ");
        b = int.Parse(Console.ReadLine());
        for (i = a + 1; i <= b - 1; i++)
            if (i % 5 == 0)
                Console.WriteLine("result : " +
i);

        Console.ReadKey();
    }
}
```

سوال7

```
namespace میزان_مصرف_برق_یک_خانواده
{
    internal class Program
    {
        static void Main(string[] args)
        {
```

```csharp
        int k, h;
        Console.Write("Please enter the
amount consumed : ");
        k = int.Parse(Console.ReadLine());
        if (k <= 5)
        {
            h = 0;
        }
        else if (k <= 20)
        {
            h = (k - 5) * 1000;
        }
        else if (k > 20)
        {
            h = 15000 + ((k - 20) * 5000);
        }
        Console.WriteLine(h);
    }
}
```

```csharp
namespace نمایش_بالا_ترین_جایگاه‌رقامیک_عدد
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int num;

            Console.WriteLine("ple enter number : ");
            num = int.Parse(Console.ReadLine());
            if (num < 10)
                Console.WriteLine("result : " + num);
            else if (num < 100)
                Console.WriteLine("result : " + (num / 10));
            else if (num < 1000)
                Console.WriteLine("result : " + (num / 100));
```

```csharp
        else if (num < 10000)
            Console.WriteLine("result : " +
(num / 1000));
        else if (num < 100000)
            Console.WriteLine("result : " +
(num / 10000));
        else
            Console.WriteLine("error");
        Console.ReadKey();
    }
```