

**C# assignment**

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**COMPUTER SCIENCE (HND 1 )**

1). Printing numbers in ascending order

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6 mins ago • 2 views

Public



cs

▲ 0

```
9     class Program
10    {
11        static void Main(string[] args)
12        {
13            Console.WriteLine("Please enter the
14             first number:");
15             int num1 =
16             int.Parse(Console.ReadLine());
17
18             Console.WriteLine("Please enter the
19             second number:");
20             int num2 =
21             int.Parse(Console.ReadLine());
22
23             Console.WriteLine("Please enter the
24             third number:");
25             int num3 =
26             int.Parse(Console.ReadLine());
27
28             int[] numbers = { num1, num2,
29             num3 };
29             Array.Sort(numbers);
30
31             Console.WriteLine("The numbers in
32             ascending order are:");
33             foreach (int number in numbers)
34             {
35                 Console.WriteLine(number);
36             }
```

```
30
31
32      }
33      }
34  }
35
36
```

## OUTPUT



```
Please enter the first number:  
Please enter the second number:  
Please enter the third number:  
The numbers in ascending order are:  
34  
55  
109
```

2).printing index of the smallest element in the array



## Code Playground



...

```
1 <?php
2
3 function smallestIndex($arr, $size) {
4     $minIndex = 0;
5     for ($i = 1; $i < $size; $i++) {
6         if ($arr[$i] < $arr[$minIndex]) {
7             $minIndex = $i;
8         }
9     }
10    return $minIndex;
11 }
12
13 $numbers = [5, 2, 8, 1, 9];
14 $size = count($numbers);
15
16 $index = smallestIndex($numbers, $size);
17
18 echo "The smallest element is at index:
19 " . $index;
20
21
22
23 ?>
```

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## Code Playground



...

"The smallest element is at index: 3"

3).printing strings in Uppercase

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## Code Playground



...

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace SoloLearn
8  {
9      class Program
10     {
11         static void Main(string[] args)
12         {
13             Console.WriteLine("Please enter a
string:");
14             string input = Console.ReadLine();
15
16             char[] charArray =
17                 input.ToCharArray();
18             for (int i = 0; i <
charArray.Length; i++)
19             {
20                 charArray[i] =
21                     Char.ToUpper(charArray[i]);
22             }
23
24             string result = new
string(charArray);
25             Console.WriteLine("The string in
uppercase is: " + result);
26 }
```

```
25 }  
26 }  
27 }
```

```
string(charArray);
```

**OUTPUT**

:::

```
Please enter a string:  
The string in uppercase is: SAMUEL
```

5).Printing elements per line in an array

---



## Code Playground



...

```
1  using System;
2
3  class Program
4  {
5      static void Main()
6      {
7          float[] alpha = new float[50];
8
9          for (int i = 0; i < alpha.Length;
10         i++)
11         {
12             if (i < 25)
13             {
14                 alpha[i] = i * i;
15             }
16             else
17             {
18                 alpha[i] = 3 * i;
19             }
20
21             Console.WriteLine("The array alpha
22             is:");
23             for (int i = 0; i < alpha.Length;
24             i++)
25             {
26                 Console.Write(alpha[i] + " ");
27             }
28         }
29     }
30 }
```

```
26
27             if ((i + 1) % 10 == 0)
28             {
29                 Console.WriteLine();
30             }
31         }
32     }
33 }
34 // C# program that declares an array
`alpha` of 50 components of the type
`float`. It initializes the array so that
the first 25 components are equal to the
square of the index variable, and the last
```



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RUN ➔

## OUTPUT



The array alpha is:

```
0 1 4 9 16 25 36 49 64 81
100 121 144 169 196 225 256 289 324 361
400 441 484 529 576 75 78 81 84 87
90 93 96 99 102 105 108 111 114 117
120 123 126 129 132 135 138 141 144 147
```



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RUN ➔

6).program to check for positive ,negative or zero from an input



## Code Playground



...

```
1  using System;
2
3  class Program
4  {
5      static void Main()
6      {
7          Console.WriteLine("Please enter a
8          number:");
9          int number =
10         Convert.ToInt32(Console.ReadLine());
11
12         Console.WriteLine("You entered: "
13         + number);
14
15         if (number > 0)
16         {
17             Console.WriteLine("The number
18             is positive.");
19         }
20         else if (number < 0)
21         {
22             Console.WriteLine("The number
23             is negative.");
24         }
25         else
26         {
27             Console.WriteLine("The number
```

```
    is zero.");  
24  
25        }  
26    }  
27 }  
28  
29
```



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22

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## OUTPUT



Please enter a number:  
You entered: 43  
The number is positive.



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RUN