## Loops in C#

while

Code Terminal

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

Code Terminal

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## string p:

## while

```
Terminal
Code
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## string p:

## while

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?
>
```

## string p:

## while

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
                                        > Barry←
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

## string p: "Barry"

## while

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

Who is invited? > Barry↵

## string p: "Barry"

## while

#### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?
> Barry↵
```

```
string p: "Barry"
int total: 0
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?
> Barry←
```

```
string p: "Barry"
int total: 0
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

Who is invited? > Barry↵

```
string p: "Barry"
int total: 0
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

Who is invited? > Barry←

```
string p: "Barry"
int total: 1
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

Who is invited?
> Barry←

```
string p: "Barry"
int total: 1
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

Who is invited?
> Barry←

```
string p: "Barry"
int total: 1
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?
> Barry↵
>
```

```
string p: "Barry"
int total: 1
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

- > Barry←
- > Sarah←

```
string p: "Sarah"
int total: 1
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

- > Barry←
- > Sarah←

```
string p: "Sarah"
int total: 1
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

- > Barry←
- > Sarah←

```
string p: "Sarah"
int total: 1
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

- > Barry←
- > Sarah←

## string p: "Sarah" int total: 1

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

- > Barry←
- > Sarah←

```
string p: "Sarah"
int total: 2
```

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

- > Barry←
- > Sarah←

## string p: "Sarah" int total: 2

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

- > Barry←
- > Sarah←

## string p: "Sarah" int total: 2

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?
> Barry←
> Sarah←
>
```

## string p: "Sarah" int total: 2

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?
> Barry↵
> Sarah↵
> ↵
```

## string p: "" int total: 2

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?
> Barry↵
> Sarah↵
> ↩
```

## string p: "" int total: 2

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

### **Terminal**

```
Who is invited?
> Barry←
> Sarah←
```

/ Sal alle

> 4

# string p: "" int total: 2

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?
> Barry←
> Sarah←
```

## string p: "" int total: 2

#### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?
> Barry↵
> Sarah↵
> ↵
```

# string p: "" int total: 2

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?

> Barry←

> Sarah←

> ←

You have invited
```

# string p: "" int total: 2

### Code

```
Console.WriteLine("Who is invited?");
string p = Console.ReadLine();
int total = 0;
while( p!="" ){
       total++;
       p = Console.ReadLine();
Console.Write("You have invited ");
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Console.WriteLine(" people.");
```

```
Who is invited?
> Barry←
> Sarah←
> ←
You have invited
```

# string p: "" int total: 2

#### Code

```
Console.WriteLine("Who is invited?");
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Console.WriteLine(" people.");
```

```
Who is invited?
> Barry
> Sarah
> 4

You have invited 2
```

### string p: int total: 2

#### Code

```
Console.WriteLine("Who is invited?");
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       total++;
       p = Console.ReadLine();
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Console.WriteLine(" people.");
```

```
Who is invited?
> Barry←
> Sarah←
You have invited 2
```

## string p: "" int total: 2

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```
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       total++;
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Console.Write("You have invited ");
Console.Write(total);
Console.WriteLine(" people.");
```

```
Who is invited?

> Barry

> Sarah

> 

You have invited 2 people.
```

## string p: "" int total: 2

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```
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       total++;
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Console.Write("You have invited ");
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```

```
Who is invited?

> Barry

> Sarah

> 4

You have invited 2 people.
```