Loops

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for Syntax

```
for <expression> {
    <code>
}
```

for keyword

expression

- Blank expression = infinite loop
- Can be Boolean expression
- Can be a **range**

Placement of curly braces is vital

```
for {    //Infinite loop
    <code>
{
```

for keyword

expression

- Blank expression = infinite loop
- Can be Boolean expression
- Can be a range

Placement of curly braces is vital

```
for i<Bo0l0a{ expression> {
    <code>
{
```

for keyword

expression

- Blank expression = infinite loop
- Can be Boolean expression
- Can be a range

Placement of curly braces is vital

```
for i <=10ange courseList {
    <code>
{
```

for keyword

expression

- Blank expression = infinite loop
- Can be Boolean expression
- Can be a range

Placement of curly braces is vital

```
for i <=10;{i < 10; i++ {
    <code>
{
```

for keyword

expression

- Blank expression = infinite loop
- Can be Boolean expression
- Can be a range

Placement of curly braces is vital

for ... <expression>

for ... range

break and continue

```
for <expr...> {
    <code>
    for <expr...> {
        <code>
        for <expr...> {
            <code>
        }
    }
}
```

```
for <expr...> {
    <code>
    for <expr...> {
        <code>
        for <expr...> {
            <code>
            break
        }
    }
}
```

```
for <expr...> {
    <code>
breakPoint
    for <expr...> {
        <code>
        for <expr...> {
            <code>
            break breakPoint
        }
    }
}
```

continue

Summary

Infinite Loop	Boolean expr	for …range

```for {```
```<code>```
```}```
	```for 1 > 0 {```
	```<code>```
	```}```
		```for i := range list {```
		```<code>```
		```}```

Pre and Post Statements	Nested	Continue and Break