

WHILE LOOPS

v100

While Loop Syntax

```
while (condition)
{ // code block to be executed
}
```

While Loop Syntax

```
int i = 0;
while (i < 5)
{
    System.out.println(i);
    i++;
}
```



The Do/While Loop Syntax

```
do {
    // code block to be executed
}
while (condition);
```

The Do/While Loop Syntax

```
int i = 0;
do {
    System.out.println(i);
    i++;
} while (i < 5);
```



```
import java.util.Scanner;
```

```
class UserInputSum {
    public static void main(String[] args) {
```

```
        Double number, sum = 0.0;
```

```
        // create an object of Scanner
        Scanner input = new Scanner(System.in);
```

```
        while (true) {
            System.out.print("Enter a number:");
```

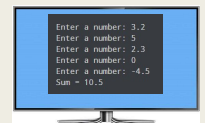
```
            // takes double Input from user
            number = input.nextDouble();
```

```
            // If number is negative the loop terminates
            if (number < 0.0) {
                break;
```

```
            }
            sum += number;
```

```
        }
        System.out.println("Sum = " + sum);
```

break; statement



```
int i = 0;
while (i < 10)
{
    if (i == 4)
    {
        i++;
        continue;
    }
    System.out.println(i);
    i++;
}
```

continue; statement

