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Thread: [Changing my while loop to Do while loop](#)

ohxerxe - February 4, 2018, 12:42 pm

Kind of a beginner here trying to turn a while loop program into a do while loop. Basically if you couldn't tell the program generates a number form 1-10 and the user has 3 attempts to guess. For my class we have to write it in a while loop and a do while loop. I have been looking around on the basic differences of do while and while and I think I understand the concept except I am almost lost on how to change this code or what parts to add to the Do section. I assume its simple and I am just not thinking properly. Only thing I have done was add the Do to the program without any statements or conditions. If anyone could push me in the right direction or convert it for me that would be greatly appreciated.

Code import java.util.*;

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

```
        //Generates random number between 1-10  
        int answer = (int) (Math.random()*10+1);
```

```
        Scanner input = new Scanner(System.in);  
        System.out.print("Guess my secret number (Hint: it's between 1-10): ");
```

```
        int guess = -1;  
        int count = 0;
```

```
        //Do while loop
```

```
        do{
```

```
        }while (guess != answer){
```

```
        guess = input.nextInt();
```

```
        if (guess == answer)  
            System.out.println("Correct! You Win!");
```

```
        else if (guess != answer)  
            System.out.println("Try Again");  
        count++;
```

```
        if (count == 3 && guess != answer) {  
            System.out.println("My secret number: "+answer +", Better luck next time.");  
            break;  
        }  
    }  
}
```

```
}
```

Sheeple - February 4, 2018, 12:53 pm

It is quite simple :p do while's and while's in my eyes have always just been the exact same loop. You got it :D

TBH it seems like you can C+P all your code into the do while without any major changes

ohxerxe - February 4, 2018, 12:57 pm

(Feb 4, 2018 01:53 PM)Sheeple Wrote: [\[CITE\]](#) It is quite simple :p do while's and while's in my eyes have always just been the exact same loop. You got it :D

TBH it seems like you can C+P all your code into the do while without any major changes
That is what I had thought just not sure which parts to put under the do. It kind of pisses me off that the assignment instructions are so vague.

(Feb 4, 2018 01:53 PM)Sheeple Wrote: [\[CITE\]](#) It is quite simple :p do while's and while's in my eyes have always just been the exact same loop. You got it :D

TBH it seems like you can C+P all your code into the do while without any major changes
Thanks for the input I was able to do this and it works perfectly. I had a few issues with the formatting of the code but one that was fixed it works perfectly.

```
Code import java.util.*;
```

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

```
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```
        int guess = -1;  
        int count = 0;
```

```
        do {
```

```
            guess = input.nextInt();
```

```
            if (guess == answer){  
                System.out.println("Correct! You Win!");  
            }
```

```
            else if (guess != answer){  
                System.out.println("Try Again");  
                count++;  
            }
```

```
            if (count == 3 && guess != answer) {  
                System.out.println("My secret number: "+answer +", Better luck next time.");  
            }  
        }
```

```
    } while (guess != answer);  
}
```

```
}  
}
```

matt - February 4, 2018, 2:26 pm

(Feb 4, 2018 01:53 PM)Sheeple Wrote: [\[CITE\]](#) It is quite simple :p do while's and while's in my eyes have always just been the exact same loop. You got it :D

TBH it seems like you can C+P all your code into the do while without any major changes

While and do loops are not the same, a do loop is guaranteed to run at least once no matter what, a while loop the condition must be true in order for it to execute the loop.