

# DAY-11(whileLoop)

1

Predict the output -

```
int x=1;  
while (x ){  
    System.out.println(x);  
    x++;  
}
```

☒ Code does not compile

☐ 1

☐ Infinite loop

☐ No output

**Correct**

Predict the output -

```
boolean x = true;  
while (x){  
    System.out.println(x);  
}
```

☐ code does not compile

☐ true

☒ infinite loop

☐ Run-time Exception

**Correct**

Predict the output -

```
int x = 2;  
while (x<10){  
    System.out.println(x);  
    x--;  
}
```

☐ 1 2 3 4 5 6 7 8 9

☐ 2 1 0 -1 -2 -3 -4 -5 -6 -7

☒ infinite loop

☐ 2 1 0 -1 -2 -3 -4 -5 -6 -7 -8 -9

**Correct**

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What is the minimum number of times a while loop can execute?

☒ It depends on the condition

☐ Two times

☐ Zero times

☐ One time

**Incorrect**

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Predict the output -

```
int x = 10;
while (x>1){
    System.out.println(x);
    x=x/2;
}
```

☐ 10 5 2 1 0

☒ 10 5 2

☐ infinite

☐ 10 5 2 1

**Correct**