

# Reverse a Number – Question & Answer 7

**Language / Style: Java – Stack Based Logic**

***Code Snippet:***

```
Stack<Integer> s = new Stack<>();
int n = 1234;
while(n > 0){
    s.push(n % 10);
    n /= 10;
}
int rev = 0;
while(!s.isEmpty()){
    rev = rev * 10 + s.pop();
}
```

**Question:** Explain why this logic works.

**Answer:** The stack reverses digit order using LIFO behavior, producing the reversed number correctly.