7. Reverse Integer

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Notes

Reverse digits of an integer.

Example1: x = 123, return 321

Example2: x = -123, return -321

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Note:

The input is assumed to be a 32-bit signed integer. Your function should **return 0 when the reversed integer overflows**.

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Java

```
1  public class Solution {
2      public int reverse(int x) {
3          ArrayList<Integer> a = new ArrayList<Integer>();
4          //int flag = x >= 0 ? 1 : -1;
5          while ( x != 0 ){
6              a.add (x % 10);
7              x = x / 10;
8          }
9          int y = 0;
10         for(int i : a) {
11             if (y > Integer.MAX_VALUE / 10 || y < Integer.MIN_VALUE / 10)
12                 return 0;
13             y = y*10 + i;
14         }
15         return  y;
16     }
17 }
```

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