```
int reverse(int x) {
    int sign;
    int64_t digit;
int64_t reverse;
    int count;
    int64_t num;
    sign = (x > 0) ? 1 : -1;
reverse = 0;
count = 0;
num = llabs(x);
     while (num != 0)
          digit = num%10;
         num/=10;
reverse = reverse * 10 + digit;
printf("%d, %d, %d\n", num, digit, reverse);
     }
     if(sign == -1)
         if(sign*reverse < INT_MIN)</pre>
               return 0;
     }else
         if(sign*reverse > INT_MAX)
        return 0;
}
     return sign*reverse;
```