```
#include<limits.h>

class Solution {
public:
int reverse(int x) {

int ans  = 0;
while( x != 0) {

int digit = x % 10;

if( (ans > INT_MAX/10) || (ans < INT_MIN/10)) {
return 0;
}

ans = (ans * 10) + digit;
x = x / 10;

}
return ans;
}
};
```

```
#include<limits.h>

class Solution {
public:
bool isPowerOfTwo(int n) {

int ans = 1;

for(int i = 0; i <= 30; i++) {

//cout<<" ans "<<ans <<endl;
if(ans == n)
{
return true;
}
if(ans < INT_MAX/2)
ans = ans * 2;

}
return false;
}
};
```

```
class Solution {
public:
int bitwiseComplement(int n) {

int m = n;
int mask = 0;

if(n == 0)
return 1;

while( m!=0) {
mask = (mask << 1) | 1;
m = m >> 1;
}

int ans = (~n) & mask;

return ans;

}
};
```