## **Binary to Decimal**

#include <stdio.h>

#include <string.h>

#include <math.h>

#include <stdlib.h>

int main() {

char binary[65];

scanf("%s", binary);

int length = strlen(binary);

int decimal = 0;

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

if (binary[i] == '1') {

decimal = decimal \* 2 + 1;

} else if (binary[i] == '0') {

decimal = decimal \* 2;

} else {

printf("Invalid Input\n");

return 1;

}

}

printf("%d\n", decimal);

return 0;

}