C day16_q31.c > main()

```c
// Q31: Write a program to take a number as input and print its equivalent binary representation.

/*
Sample Test Cases:
Input 1:
10
Output 1:
1010

Input 2:
7
Output 2:
111

*/

#include <stdio.h>

int main() {
    int n, i;
    int binary[32];
    scanf("%d", &n);
    for(i = 0; i < 32; i++) {
        binary[i] = 0;
    }
    i = 0;
    while(n > 0) {
        binary[i] = n % 2;
        n = n / 2;
        i++;
    }
    for(i = i - 1; i >= 0; i--) {
        printf("%d", binary[i]);
    }
    printf("\n");
    return 0;
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day16_q31.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
10
1010
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day16_q31.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
7
111
PS C:\Users\drago\OneDrive\Desktop\C H.W>
```

C day16_q32.c > main()

```c
// Q32: Write a program to check if a number is a palindrome.

/*
Sample Test Cases:
Input 1:
121
Output 1:
Palindrome

Input 2:
123
Output 2:
Not palindrome

*/

#include <stdio.h>

int main() {
    int num, reversed = 0, original, remainder;
    scanf("%d", &num);
    original = num;
    while (num != 0) {
        remainder = num % 10;
        reversed = reversed * 10 + remainder;
        num /= 10;
    }
    if (original == reversed)
        printf("Palindrome\n");
    else
        printf("Not Palindrome\n");
    return 0;
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day16_q32.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
121
Palindrome
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\day16_q32.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
123
Not Palindrome
PS C:\Users\drago\OneDrive\Desktop\C H.W>
```