

main.c



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Run

Output

```
1 //DAY 16
2 //Q31
3 #include <stdio.h>
4 int main() {
5     int num;
6     int binary[32];
7     int i = 0;
8
9     printf("Enter a number: ");
10    scanf("%d", &num);
11
12    if (num == 0) {
13        printf("Binary representation: 0\n");
14        return 0;
15    }
16    int temp = num;
17
18    while (temp > 0) {
19        binary[i] = temp % 2;
20        temp /= 2;
21        i++;
22    }
23    printf("Binary representation of %d: ", num);
24
25    for (int j = i - 1; j >= 0; j--) {
26        printf("%d", binary[j]);
27    }
28    printf("\n");
29    return 0;
30 }
```

Enter a number: 5
Binary representation of 5: 101

=== Code Execution Successful ===

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Output

```
1 //DAY 16
2 //Q32
3 #include <stdio.h>
4
5 int main() {
6     int num, original, reverse = 0, remainder;
7
8     printf("Enter a number: ");
9     scanf("%d", &num);
10
11     original = num;
12
13     while (num != 0) {
14         remainder = num % 10;
15         reverse = reverse * 10 + remainder;
16         num /= 10;
17     }
18
19     if (original == reverse) {
20         printf("%d is a palindrome number.\n", original);
21     } else {
22         printf("%d is not a palindrome number.\n", original);
23     }
24
25     return 0;
26 }
```

Enter a number: 121
121 is a palindrome number.

=== Code Execution Successful ===