

unit2\midterm_code5.c

```
1  //c function to count number of ones in binary number?
2  #include <stdio.h>
3
4  void count_bin(int num);
5
6  void main(void){
7  printf("enter a number: ");
8  int number;
9  scanf("%d",&number);
10 count_bin(number);
11 }
12 void count_bin(int num){
13     int count=0;
14     while(num>0){
15         if(num&1){
16             count++;
17         }
18         num = num>>1;
19     }
20     printf("number of ones = %d", count);
21 }
```