

```
1  #include <stdio.h>
2  int main(void)
3  {
4      //variable declarations
5      int num;
6
7      //code
8      printf("\n\n");
9
10     printf("Enter Value For 'num' : ");
11     scanf("%d", &num);
12
13     // IF - ELSE - IF LADDER BEGINS FROM HERE...
14     if (num < 0)
15         printf("Num = %d Is Less Than 0 (NEGATIVE) !!!\n\n", num);
16
17     else if ((num > 0) && (num <= 100))
18         printf("Num = %d Is Between 0 And 100 !!!\n\n", num);
19
20     else if ((num > 100) && (num <= 200))
21         printf("Num = %d Is Between 100 And 200 !!!\n\n", num);
22
23     else if ((num > 200) && (num <= 300))
24         printf("Num = %d Is Between 200 And 300 !!!\n\n", num);
25
26     else if ((num > 300) && (num <= 400))
27         printf("Num = %d Is Between 300 And 400 !!!\n\n", num);
28
29     else if ((num > 400) && (num <= 500))
30         printf("Num = %d Is Between 400 And 500 !!!\n\n", num);
31
32     else if (num > 500)
33         printf("Num = %d Is Greater Than 500 !!!\n\n", num);
34
35     else // *** THIS IS THE TERMINATING 'ELSE' OF THIS 'IF - ELSE IF - ELSE'
36         LADDER !!! ***
37         printf("Invalid Value Entered !!!\n\n");
38     return(0);
39 }
40
```