

```
1  #include <stdio.h>
2  int main(void)
3  {
4      //variable declarations
5      int i, j;
6
7      //code
8      printf("\n\n");
9
10     printf("Outer Loop Prints Odd Numbers Between 1 and 10. \n\n");
11     printf("Inner Loop Prints Even Numbers Between 1 and 10 For Every Odd Number   ↗
        Printed By Outer Loop. \n\n");
12
13     // condition for a number to be even number => division of number by 2 leaves   ↗
        no remainder (remainder = 0)
14     // condition for a number to be odd number => division of number by 2 leaves   ↗
        remainder (remainder = 1 (usually))
15
16     for (i = 1; i <= 10; i++)
17     {
18         if (i % 2 != 0) //If Number (i) Is Odd..
19         {
20             printf("i = %d\n", i);
21             printf("-----\n");
22             for (j = 1; j <= 10; j++)
23             {
24                 if (j % 2 == 0) //If Number (j) Is Even...
25                 {
26                     printf("\tj = %d\n", j);
27                 }
28                 else //If Number (j) Is Odd..
29                 {
30                     continue;
31                 }
32             }
33             printf("\n\n");
34         }
35         else //If Number (i) Is Even...
36         {
37             continue;
38         }
39     }
40
41     printf("\n\n");
42
43     return(0);
44 }
45
```