

```
1 #include <stdio.h>
2 int main()
3 {
4     int number, count = 0, duplicateNumber, remainder, i = 0;
5     printf("Enter the Number: ");
6     scanf("%d", &number);
7     duplicateNumber = number;
8     while (duplicateNumber > 0)
9     {
10         duplicateNumber /= 10;
11         count++;
12     }
13     int arr[count], arr1[count], j, firstdigit, lastdigit, SwappedArray[count];
14     while (number > 0)
15     {
16         remainder = number % 10;
17         arr[i] = remainder;
18         number /= 10;
19         i++;
20     }
21     for (i = 0, j = count - 1; (i < count || j >= 0); i++, j--)
22     {
23         arr1[i] = arr[j];
24     }
25     firstdigit = arr1[0];
26     lastdigit = arr1[count - 1];
27
28     SwappedArray[0] = lastdigit;
29     for (i = 1; i <= count - 2; i++)
30     {
31         SwappedArray[i] = arr1[i];
32     }
33     SwappedArray[count - 1] = firstdigit;
34     for (i = 0; i < count; i++)
35     {
36         printf("%d", SwappedArray[i]);
37     }
```

```
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14     while (number > 0)
15     {
16         remainder = number % 10;
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18     }
19 }
20
21 PS E:\Programs in C language> cd "E:\Programs in C language\" ; if ($?) { gcc 50.AssignmentQ7.c -o 50.AssignmentQ7.exe } ; if ($?) { .\50.AssignmentQ7.exe }
Enter the Number: 12345
52341
PS E:\Programs in C language>
```