

```
1 #include <stdio.h>
2 #include <math.h>
3 int main()
4 {
5     int CountForPower, sum, range, i, considerForNumber, digitToStore, digitPower, RangeDepletion, storedNumber;
6     printf("Enter the Range: ");
7     scanf("%d", &range);
8     RangeDepletion = range;
9     while (range != 0)
10    {
11        CountForPower++;
12        range = range/10;
13    }
14    for (i = 1; i <= RangeDepletion; i++)
15    {
16        considerForNumber = i;
17        storedNumber = i;
18        while (considerForNumber != 0)
19        {
20            digitToStore = considerForNumber % 10;
21            digitPower = pow(digitToStore, CountForPower);
22            sum += digitPower;
23            considerForNumber /= 10;
24        }
25        if (sum == storedNumber)
26        {
27            printf("%d", sum);
28            printf("\n ");
29        }
30        sum = 0;
31    }
32 }
33 }
```

```
PS E:\Programs in C language> cd "E:\Programs in C language\"; if ($?) { gcc 37.ArmStrongNumber.c -o 37.ArmStrongNumber.exe }; if ($?) { .\37.ArmStrongNumber.exe }
Enter the Range: 10000
4150 4151
PS E:\Programs in C language>
```