



Harshad(or Niven) Numbers are those integers who are who are divisible by the sum of their digits.

The following program prints the Harshad Numbers within a range specified by the user.

PROGRAM:

```

/*****
*****HARSHAD NUMBERS*****
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*****/
#include<stdio.h>
#include<stdlib.h>
main(){
    int i,j,init,final,n,sum;
    printf("Enter the starting point(a):\n");
    scanf("%d",&init);
    printf("Enter the ending point(b):\n");
    scanf("%d",&final);
    printf("\nThe Harshad Numbers are as follows:\n");
    for(i=init;i<=final;i++){
        n=i;
        sum=0;
        while(n>0){
            sum=sum+n%10;
            n=n/10;
        }
        if(i%sum==0){
            printf("%d\n",i);
        }
    }
}

```

OUTPUT:

```
Enter the starting point(a):
1
Enter the ending point(b):
100

The Harshad Numbers are as follows:
1
2
3
4
5
6
7
8
9
10
12
18
20
21
24
27
30
36
40
42
45
48
50
54
60
63
70
72
80
81
84
90
100
```



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