Name:_____

Redg.No:_____

Program logic Description:

Example: The program runs until number n>0. In each iteration, it adds the rightmost digit (n%10) to sum and updates the number to n/10. In the end, after the loop terminates if the sum is equal to the original number, then the program prints "a perfect number" otherwise, prints "not a perfect number".

Output:

Test case 1: Enter a large number: **12134616235835**

The unique digits present in 12134616235835 are 1, 2, 3, 4, 6, 5, 8.

The largest number possible out of these unique digits is 8654321.

Test case 2: Enter a large number: **11131116111811**

Test case 3: Enter a large number: **7**

Test case 4: Enter a large number: **11111111111**

Test case 5: Enter a large number: **1253478690**

Test case 6: Enter a large number: **000000000**

Test case 7: Enter a large number: **1222222222**

Test case 8: Enter a large number: **33333333335**