

## DailyFlash

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Program 1: Write a Program that checks whether an entered number is Harshad Number or Not.

{Note: A number is termed as Harshad number if sum of all digits from that number is Perfect Divisor of that number. E.g., 171,  $1+7+1 = 9$ , and 9 is perfect divisor of 171 so 171 is Harshad number.}

Input: 9

Output: 9 is harshad number.

Program 2: Write a Program that accepts a number from user and asks for user choice from (Binary, Octal, and Hexadecimal) and prints respective values of each digit from that number.

{Note: User Choice, 1 for Binary, 2 for Hexadecimal, and 3 for Octal}

Input:

Enter Number: 123

Enter Choice: 1

Output:

Binary of 1: 1

Binary of 2: 10

Binary of 3: 11

Program 3: Write a Program to check whether the entered number is Palindrome number or not.

Input: 12321

Output: 12321 is a Palindrome Number.

Program 4: Write a Program to Print following Pattern.

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00  01  02  03
    11  12  13
      22  23
        33
```

Program 5: Write a Program that prints frequency of a digit from a number, where user provides number & digit both.

Input:

Number: 1231234

Digit to check Frequency: 3

Output: The Frequency of 3 in number 1231234 is 2.