SOURCE CODE

// Programe to find frequency of each digit in each integer//

// By Sakshi Neeraj//

#include <stdio.h>

#define BASE 10 /\* Constant \*/

int main()

{

long long num, n;

int i, lastDigit;

int freq[BASE];

/\* Input number from user \*/

printf("Enter any number: ");

scanf("%lld", &num);

/\* Initialize frequency array with 0 \*/

for(i=0; i<BASE; i++)

{

freq[i] = 0;

}

/\* Copy the value of 'num' to 'n' \*/

n = num;

/\* Run till 'n' is not equal to zero \*/

while(n != 0)

{

/\* Get last digit \*/

lastDigit = n % 10;

/\* Remove last digit \*/

n /= 10;

/\* Increment frequency array \*/

freq[lastDigit]++;

}

/\* Print frequency of each digit \*/

printf("Frequency of each digit in %lld is: \n", num);

for(i=0; i<BASE; i++)

{

printf("Frequency of %d = %d\n", i, freq[i]);

}

return 0;

}