#include<stdio.h>

int main(){

  int num,temp,factor=1;

  printf("Enter a number: ");

  scanf("%d",&num);

  temp=num;

  while(temp){

      temp=temp/10;

      factor = factor\*10;

  }

  printf("Each digits of given number are: ");

  while(factor>1){

      factor = factor/10;

      printf("%d ",num/factor);

      num = num % factor;

  }

  return 0;

}

Sample output:

Enter a number: 123

Each digits of given number are: 1 2 3