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Total occurrence of each digit using function

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| #include<stdio.h> |
|  | main() |
|  | { |
|  | int n,a[10]; |
|  | for(n=0;n<10;n++) |
|  | a[n]=0; |
|  | printf("enter number\n"); |
|  | scanf("%d",&n); |
|  | while(n>0) |
|  | { |
|  | a[n%10]++; |
|  | n=n/10; |
|  | } |
|  | printf("occurences of each digit in number is as follws:\n"); |
|  | for(n=0;n<10;n++) |
|  | printf("%d\t:\t%d\n",n,a[n]); |
|  | } |