#include <stdio.h>

int main()

{

int a,o=0,t=0,th=0,f=0,fi=0,s=0,se=0,e=0,ni=0,z=0,r;

printf("Enter a number");

scanf("%d",&a);

while(a){

r=a%10;

switch(r){

case 0:z=z+1;

break;

case 1:o=o+1;

break;

case 2:t=t+1;

break;

case 3:th=th+1;

break;

case 4:f=f+1;

break;

case 5:fi=fi+1;

break;

case 6:s=s+1;

break;

case 7:se=se+1;

break;

case 8:e=e+1;

break;

case 9:ni=ni+1;

break;

}

a=a/10;

}

printf("The number of 0 is %d\n", z);

printf("The number of 1 is%d\n",o);

printf("The number of 2 is%d\n",t);

printf("The number of 3 is%d\n",th);

printf("The number of 4 is%d\n",f);

printf("The number of 5 is%d\n",fi);

printf("The number of 6 is%d\n",s);

printf("The number of 7 is%d\n",se);

printf("The number of 8 is%d\n",e);

printf("The number of 9 is%d\n",ni);

return 0;

}