```c
// Demo Of Datatype

#include<stdio.h>
#include<conio.h>

void main()
{
    short int a=100000; // -32768 to 32767
    unsigned short int b=10000;
    signed int c = 200;
    unsigned int d = 20000;
    signed long int e = 100000;
    unsigned long int f = 1000000;
    signed char g = 'x';
    unsigned char h = '%';
    float i = 12.3445;
    double j = 1234567.3456;
    long double k = 12345677.346;
    clrscr();
    printf("\n signed short int a =  %d",a);
    printf("\n unsigned short int b =  %u",b);
    printf("\n signed int c =  %d",c);
    printf("\n unsigned int d =  %u",d);
    printf("\n signed long int e =  %ld",e);
    printf("\n unsigned long int f =  %lu",f);
    printf("\n signed char g =  %c",g);
    printf("\n unsigned char h =  %c",h);
    printf("\n float i =  %f",i);
    printf("\n double j  =  %lf",j);
    printf("\n long double k  =  %Lf",k);
    getch();
}
```