```c
#include <stdio.h>
#include <math.h>
double roundtointeger(double a);
double roundtotenths(double a);
double roundtohoudreths(double a);
double roundtothousandths(double a);


int main(void)
{
double a;
printf("input a number:");
scanf("%lf",&a);
printf("roundtointeger is %f\n",roundtointeger(a));
printf("roundtotenths is %f\n",roundtotenths(a));
printf("roundtohoudreths is %f\n",roundtohoudreths(a));
printf("roundtothousandths is %f\n",roundtothousandths(a));




return 0;


}
double roundtointeger(double a)
{
a=floor(a+0.5);
return a;
}
double roundtotenths(double a)
{
a=floor(a*10+0.5)/10;
return a;
}
double roundtohoudreths(double a)
{
a=floor(a*100+0.5)/100;
```

```
    return a;
    }
double roundtothousandths(double a)
{
a=floor(a*1000+0.5)/1000;
return a;
}
```