```c
#include <stdio.h>
#include <stdlib.h>
#include <time.h>
void main(void)
{
    int num[12];
    srand(time(NULL));
    int sum=0;
    double avg,var=0;
    for(int i=0; i<12;i++)
    {
        num[i]=rand()%100;
        sum=sum+num[i];
        printf("%d ",num[i]);
    }
    avg=(double)sum/12;
    printf("\naverge is %f",avg);
    for(int i=0;i<12;i++)
    {
        var=var+(((double)num[i]-avg)*((double)num[i]-avg));
    }
    var=var/12;
    printf("\nVariance is %f\n",var);


}
```

```
C:\Windows\system32\cmd.exe

88 14 37 85 24 2 49 71 51 92 26 56
averge is 49.583333
Variance is 827.576389
請按任意鍵繼續 . . .
```