```cpp
#include<iostream.h>

class array{private: Int a[20];

public:inti,n;

read(){cout<<"Enter n:"; cin>>n;

for(i=0;i<n;i++)cin>>a[i];}print(){cout<<"\n a[i]=";

for(i=0;i<n;i++)cout<<"  "<<a[i];}

sum(){int s=0;

for(i=0;i<n;i++)s+=a[i];return s;}

avg(){int v=1;

for(i=0;i<n;i++)v=sum()/i;return v;}
```

```cpp
abs(){int v[10]; for(i=0;i<n;i++){
if(a[i]<0){ v[i]=a[i]*(-1);
cout<<" "<<v[i];} else{cout<<" "<<a[i];
}}}};
int main(){
array p;p.read();  p.print();
cout<<"\n sum="<<p.sum();
cout<<"\n avg="<<p.avg();
cout<<"\n abs=";p.abs(); return 0;}
```