```cpp
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//Demo:9:07
#include <bits/stdc++.h>
#include <iostream>
using namespace std;

int sort6(int &a, int &b, int &c, int &d, int &e, int &f)//6parameters{
    int arr[]={a, b, c, d, e, f};
    int n = sizeof(arr)/sizeof(arr[0]);
    sort(arr, arr+n);
    int sum = 0;
    for (int i = 0; i < 6; i++)
    {
      cout << arr[i] << endl;
      sum = sum + arr[i];
    }
    return sum;
}

int main(){
    srand(time(NULL));
    int a = (rand()%400 + 100);
    int b = (rand()%400 + 100);
    int c = (rand()%400 + 100);
    int d = (rand()%400 + 100);
    int e = (rand()%400 + 100);
    int f = (rand()%400 + 100);

    cout << "Array Before Sorting: " << endl;
    cout << a << endl;
    cout << b << endl;
    cout << c << endl;
    cout << d << endl;
    cout << e << endl;
    cout << f << endl;

    cout << "Array After Sorting: " << endl;
    int sum = sort6(a, b, c, d, e, f);

    cout << "Sum of the Array is : " << sum << endl;

    return 0;
}
```

```
> clang++-7 -pthread -std=c++17 -o main main.cpp
> ./main
Array Before Sorting:
382
312
293
120
104
193
Array After Sorting:
104
120
193
293
312
382
Sum of the Array is : 1404
>
```