

**AIM** : Write a Program in C++ that first initialize an array of 5 given number. The program must add this number by traversing this array with a pointer. The output should print starting address of array with the size of number to which it points. The program must also print the sum and pointer address with the addition of every number as well as the ending address.

**CODING:**

```
#include<iostream.h>

#include<conio.h>

void main()

{

float a[]={10.2,3.9,4.6,5.5,6.9};

float *ptr,sum=0;

ptr = a;

clrscr();

cout<<"Starting Address \t Size \t Ending Address\t Value of Sum";

for(int i=0; i<5 ; i++)

{

sum+=*ptr;

cout<<"\n"<<ptr<<"\t\t"<<sizeof(*ptr)<<"\t";

ptr+=1;

cout<<ptr<<"\t"<<sum;

}

getch();

}
```

## OUTPUT:

Starting Address	Size	Ending Address	Value of Sum
0x8f35ffde	4	0x8f35ffe2	10.2
0x8f35ffe2	4	0x8f35ffe6	14.1
0x8f35ffe6	4	0x8f35ffea	18.700001
0x8f35ffea	4	0x8f35ffee	24.200001
0x8f35ffee	4	0x8f35fff2	31.1_