

Homework 1: Convert a C program to C++

```
/* Convert this program to C++  
  
* change to C++ io  
  
* change to one line comments  
  
* change defines of constants to const  
  
* change array to vector<>  
  
* inline any short function  
  
*/  
  
#include <stdio.h>  
  
#define N 40  
  
void sum(int*p, int n, int d[])  
  
{  
  
    int i;  
  
    *p = 0;  
  
    for(i = 0; i < n; ++i)  
  
        *p = *p + d[i];  
  
}
```

```
int main()

{

int i;

int accum = 0;

int data[N];

for(i = 0; i < N; ++i)

data[i] = i;

sum(&accum, N, data);

printf("sum is %d\n", accum);

return 0;

}
```