



ALIGARH MUSLIM UNIVERSITY, ALIGARH

**LAB 7**

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COURSE: B. TECH

SUBJECT: OOPS

SUBMITTED TO: PROF SAIFUL ISLAM

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# OUTPUT

```
Enter the number of distances : 1

Enter feet :    12.4

Enter inches :  13.8
Feet : 25      Inches : 0
Feet : 12      Inches : 11
Feet : 29      Inches : 6
Feet : 13.3    Inches : 0.3
Feet : 13.4    Inches : 1.8

Process returned 0 (0x0)   execution time : 13.250 s
Press any key to continue.
```

**(Note: The first 4 distances were inputted before)**

```
1 #include <iostream>
2 #include <fstream>
3 #include <string>
4 using namespace std;
5 class Distance
6 {
7 private :
8     float feet;
9     float inch;
10 public :
11     void inp_dist()
12     {
13         cout<<"\nEnter feet : \t";
14         cin>>feet;
15         cout<<"\nEnter inches : \t";
16         cin>>inch;
17         if (inch>12.0)
18         {
19             feet+=((int) (inch))/12;
20             inch=inch-(((int) inch)/12)*12);
21         }
22     }
23     float otp_feet()
24     {
25         return feet;
26     }
27     float otp_inc()
28     {
29         return inch;
30     }
31 };
32 int main()
33 {
34     int n;
35     cout<<"\nEnter the number of distances : \t";
36     cin>>n;
37     Distance arr[n];
38     for(int i=0;i<n;i++)
39         arr[i].inp_dist();
40
41     ofstream file_open("Distance.txt",ios::out|ios::app); //create a file if not already present
42     //otherwise appends data it
43     for(int i=0;i<n;i++)
44         file_open<<"Feet : "<<arr[i].otp_feet()<<"\tInches : "<<arr[i].otp_inc()<<"\n";
45     file_open.close();
46
47     ifstream file_read("Distance.txt");
48     string text;
49     while(getline(file_read,text))
50         cout<<text<<"\n";
51
52     file_read.close();
53
54 }
```