

16.Distance

```
import java.util.*;

class distance
{
    int ft,in;

    distance()
    {
        ft=in=0;
    }

    distance(int x,int y)
    {
        Scanner sc=new Scanner(System.in);

        System.out.println("Enter Feet and Inches:");

        ft=sc.nextInt();
        in=sc.nextInt();
    }

    void add(distance d1,distance d2)
    {
        in=d1.in+d2.in;
        ft=in/12;
        in=in%12;
        ft=ft+d1.ft+d2.ft;
    }

    void display()
    {
        System.out.println("Feet="+ft+" Inches="+in);
    }
}

class main
```

```

{
    public static void main(String args[])
    {

        distance d1=new distance(0,0);

        System.out.print("D1:");

        d1.display();

        distance d2=new distance(0,0);

        System.out.print("D2:");

        d2.display();

        distance d3=new distance();

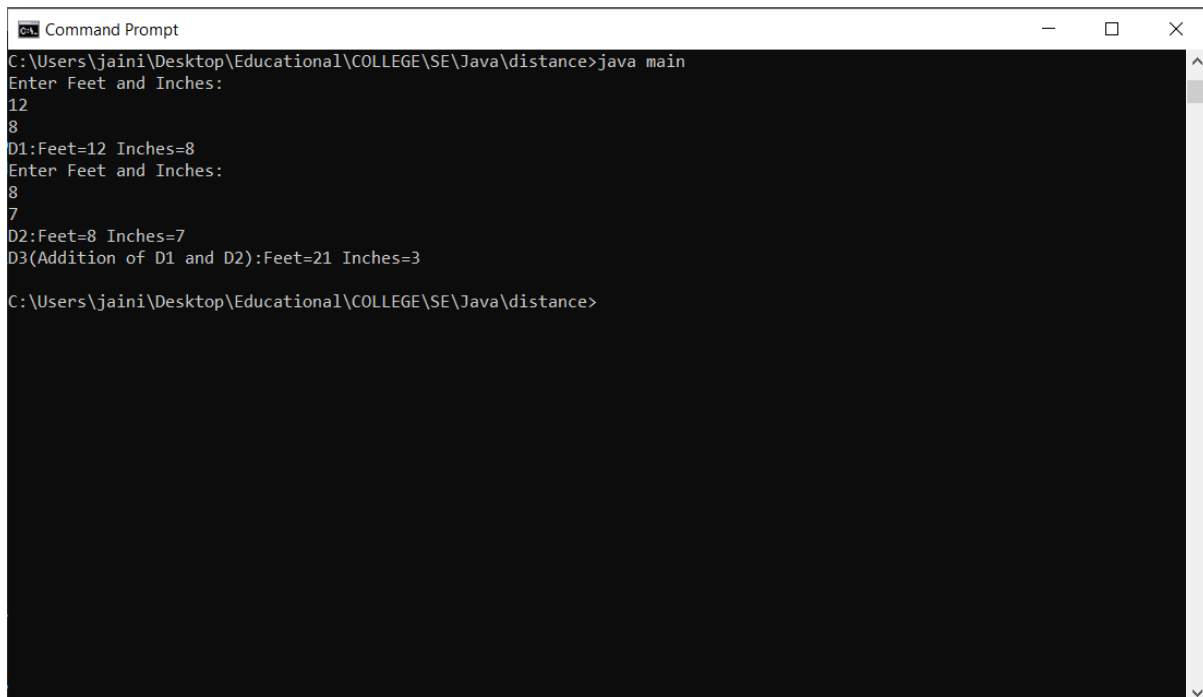
        d3.add(d1,d2);

        System.out.print("D3(Addition of D1 and D2):");

        d3.display();

    }
}

```



```

Command Prompt
C:\Users\jaini\Desktop\Educational\COLLEGE\SE\Java\distance>java main
Enter Feet and Inches:
12
8
D1:Feet=12 Inches=8
Enter Feet and Inches:
8
7
D2:Feet=8 Inches=7
D3(Addition of D1 and D2):Feet=21 Inches=3
C:\Users\jaini\Desktop\Educational\COLLEGE\SE\Java\distance>

```