

**ASSIGNMENT NO 2**

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**CONVERSION TIME:**

**#include<iostream>**

**using namespace std;**

**class duration{**

**public:**

**int days;**

**int hours;**

**int minutes;**

**int sec;**

**duration(){**

**days=0;**

**hours=0;**

**minutes=0;**

**sec=0;**

**}**

**duration(int d,int h,int m,int s)**

**{**

**days= d;**

**hours=h;**

**minutes=m;**

**sec=s;**

**}**

**duration(int sec){**

**days=sec/86400;**

**sec=sec%86400;**

**hours=sec/3600;**

**sec=sec%3600;**

**minutes=sec/60;**

**sec=sec%60;**

**}**

**void display() {**

**cout<<"days:"<<days<<endl;**

**cout<<"hours:"<<hours<<endl;**

**cout<<"minutes:"<<minutes<<endl;**

**cout<<"sec:"<<sec;**

**}**

**int durationofSec()**

**{**

**return days\*86400+hours\*3600+minutes\*60+sec;**

**}**

**};**

**int main(){**

**duration d1;**

**duration d2(12,24,36,48);**

**duration d3(3600);**

**d1.display();**

**cout<<"Total duration = "<<d1.durationofSec()<<endl;**

**d2.display();**

**cout<<"Total duration = "<<d2.durationofSec()<<endl;**

**d3.display();**

**cout<<"Total duration = "<<d3.durationofSec()<<endl;**

**return 0;**

**}**

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