

### **Task 1:**

```
#include<iostream>

using namespace std;

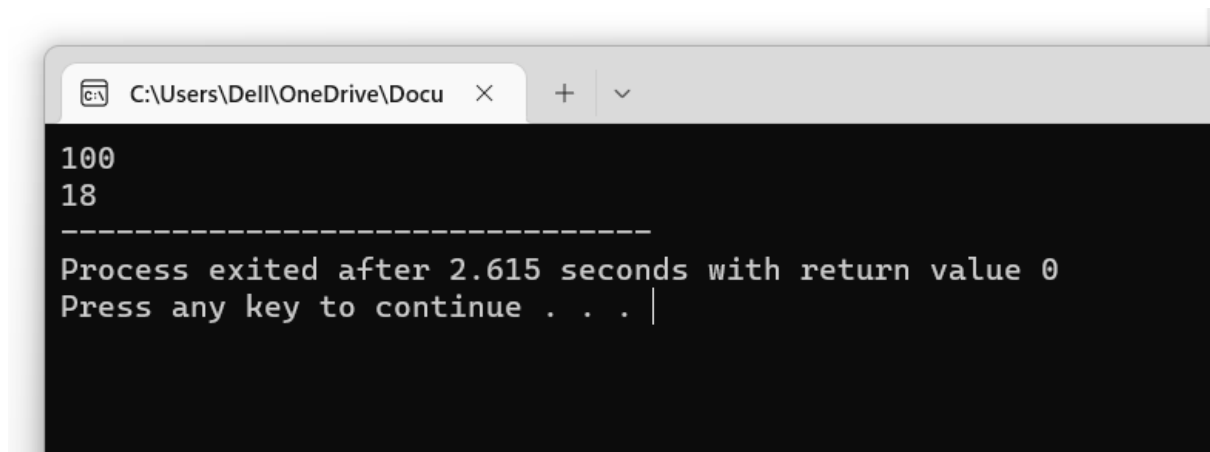
int main()
{
    double num, taxnum;

    cin>>num;

    taxnum=num*0.18;

    cout<<taxnum;

}
```



```
C:\Users\Dell\OneDrive\Docu  X  +  v
100
18
-----
Process exited after 2.615 seconds with return value 0
Press any key to continue . . . |
```

### **Task 2:**

```
#include<iostream>

using namespace std;

int main()
{
    float bill, GST, discount, tbill;

    cin>>bill;

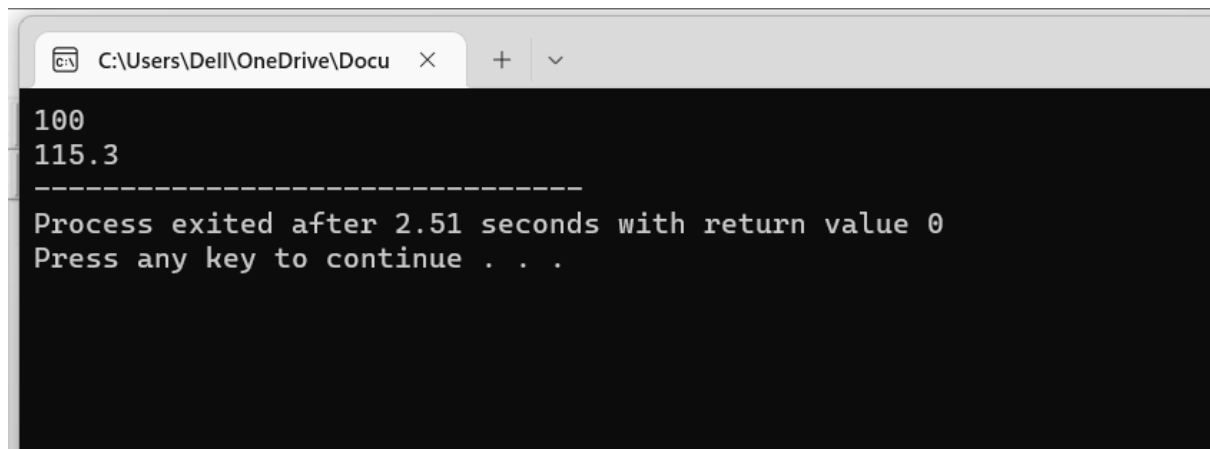
    discount=bill*0.1;

    GST=(bill-discount)*0.17;

    bill=bill+GST;

    cout<<bill;
```

```
}
```



```
C:\Users\Dell\OneDrive\Docu  X + v
100
115.3
-----
Process exited after 2.51 seconds with return value 0
Press any key to continue . . .
```

### Task3:

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int pmoney, lmoney, netflix, spotify, mothermoney, save, KFCbill, remaining;
```

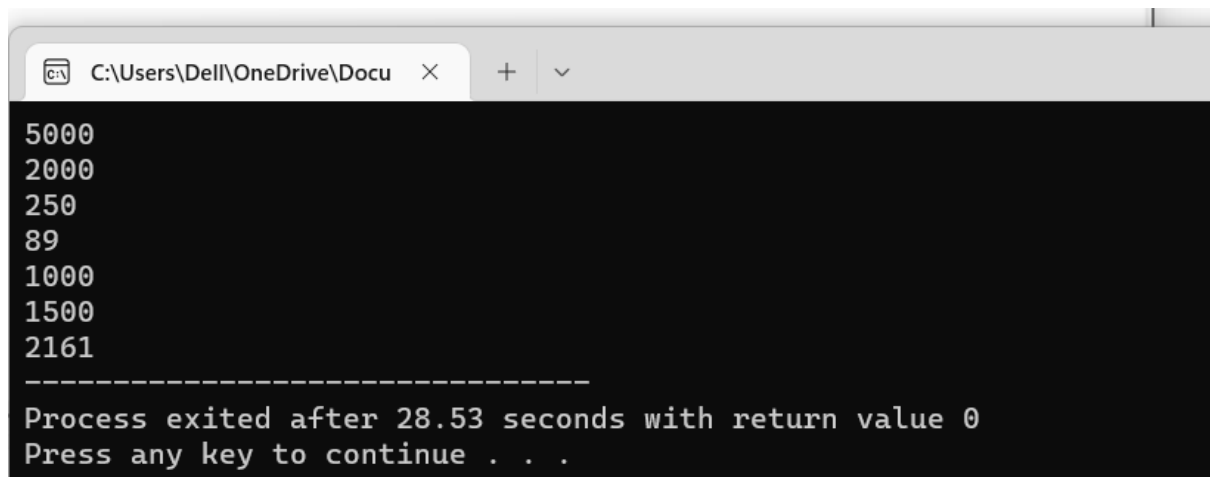
```
    cin>>pmoney>>lmoney>>netflix>>spotify>>mothermoney>>KFCbill;
```

```
    save((((pmoney-lmoney)-netflix)-spotify)+mothermoney);
```

```
    remaining=save-KFCbill;
```

```
    cout<<remaining;
```

```
}
```



```
C:\Users\Dell\OneDrive\Docu  X + v
5000
2000
250
89
1000
1500
2161
-----
Process exited after 28.53 seconds with return value 0
Press any key to continue . . .
```

#### **Task 4:**

```
#include<iostream>

using namespace std;

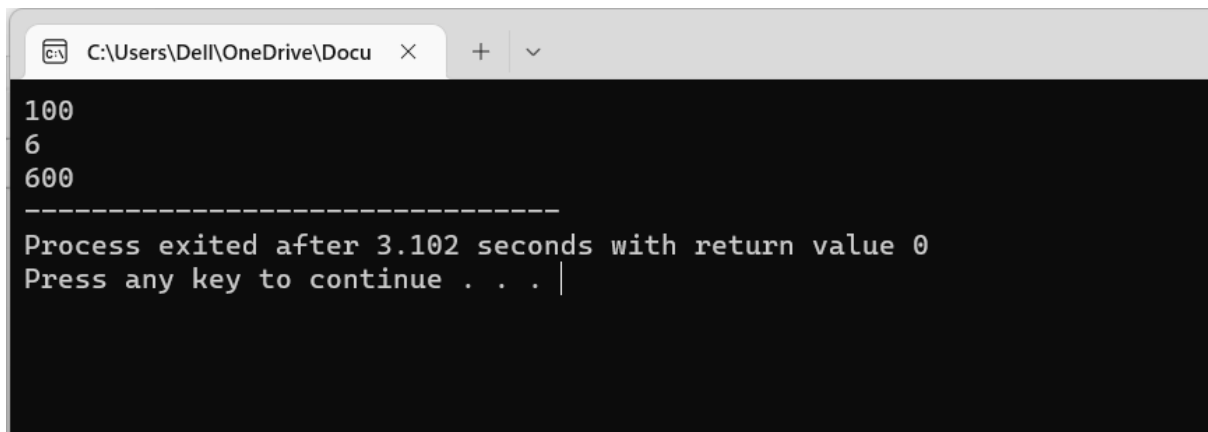
int main()
{
    int saving, week;

    cin>>saving>>week;

    saving=saving*week;

    cout<<saving;

}
```



```
C:\Users\Dell\OneDrive\Docu  X  +  v
100
6
600
-----
Process exited after 3.102 seconds with return value 0
Press any key to continue . . . |
```

#### **Task 4 another:**

```
#include<iostream>

using namespace std;

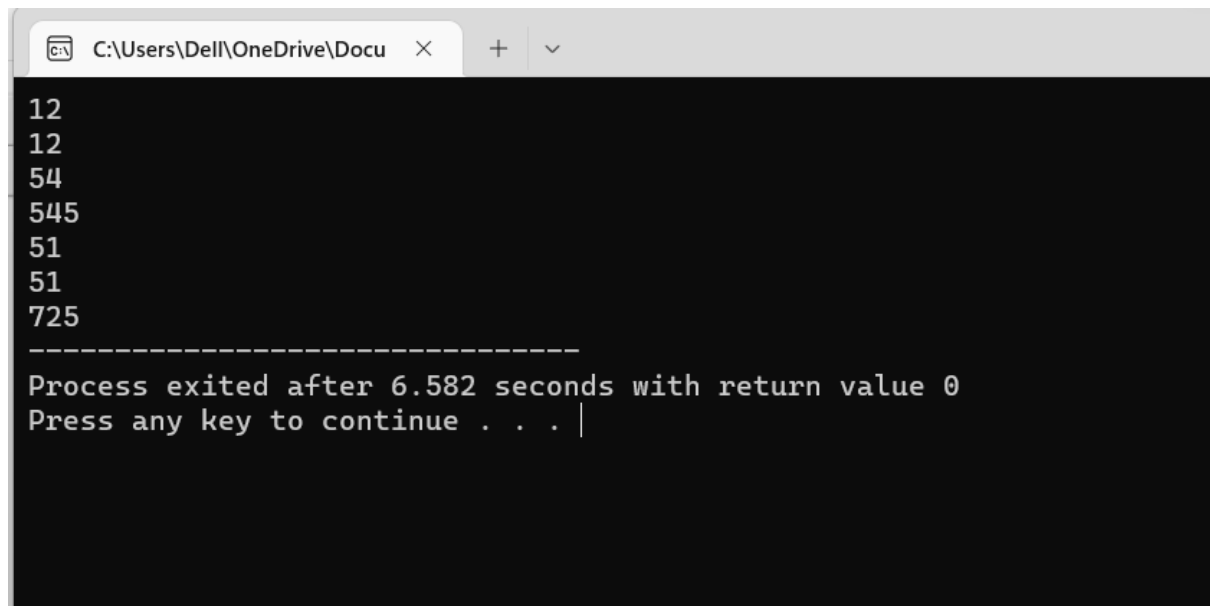
int main()
{
    int s1, s2, s3, s4, s5, s6, saving;

    cin>>s1>>s2>>s3>>s4>>s5>>s6;

    saving=s1+s2+s3+s4+s5+s6;

    cout<<saving;
```

}



```
C:\Users\Dell\OneDrive\Docu  X + v
12
12
54
545
51
51
725
-----
Process exited after 6.582 seconds with return value 0
Press any key to continue . . . |
```

### **Task 5:**

```
#include<iostream>

using namespace std;

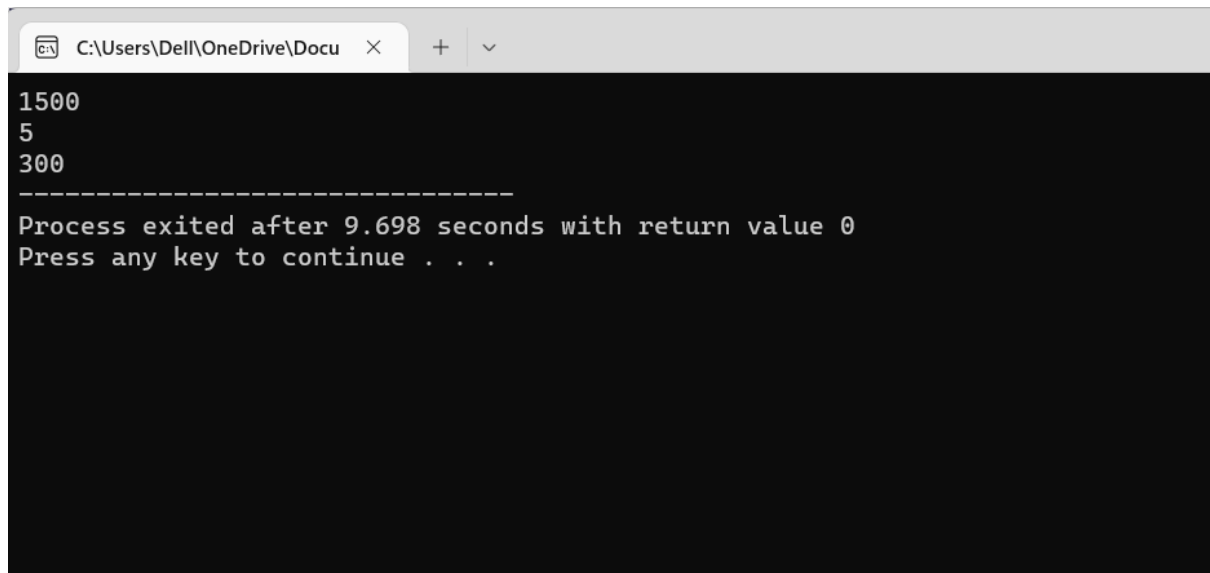
int main()
{
    float distance, time, velocity;

    cin>>distance>>time;

    velocity=distance/time;

    cout<<velocity;

}
```



```
C:\Users\Dell\OneDrive\Docu  X + v
1500
5
300
-----
Process exited after 9.698 seconds with return value 0
Press any key to continue . . .
```

### **Task 6:**

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

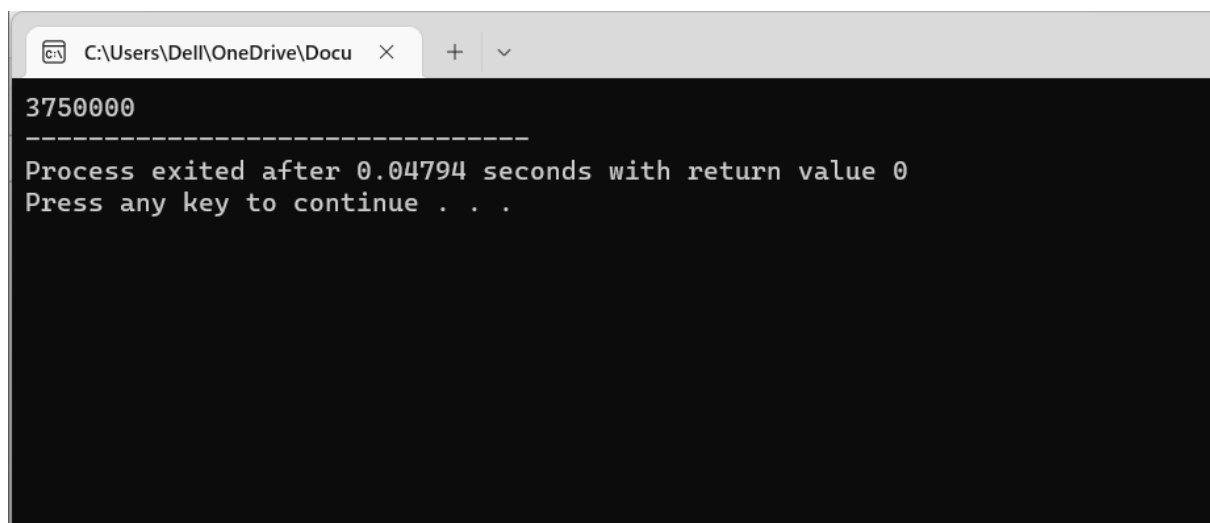
```
    int amount=3000,profit, futureprofit;
```

```
    profit=(amount*1000)*0.25;
```

```
    futureprofit=5*profit;
```

```
    cout<<futureprofit;
```

```
}
```



```
C:\Users\Dell\OneDrive\Docu  X + v
3750000
-----
Process exited after 0.04794 seconds with return value 0
Press any key to continue . . .
```

### **Task 7:**

```
#include<iostream>

using namespace std;

int main()
{
    int petrol=10000, month, semester;

    petrol=petrol*12;

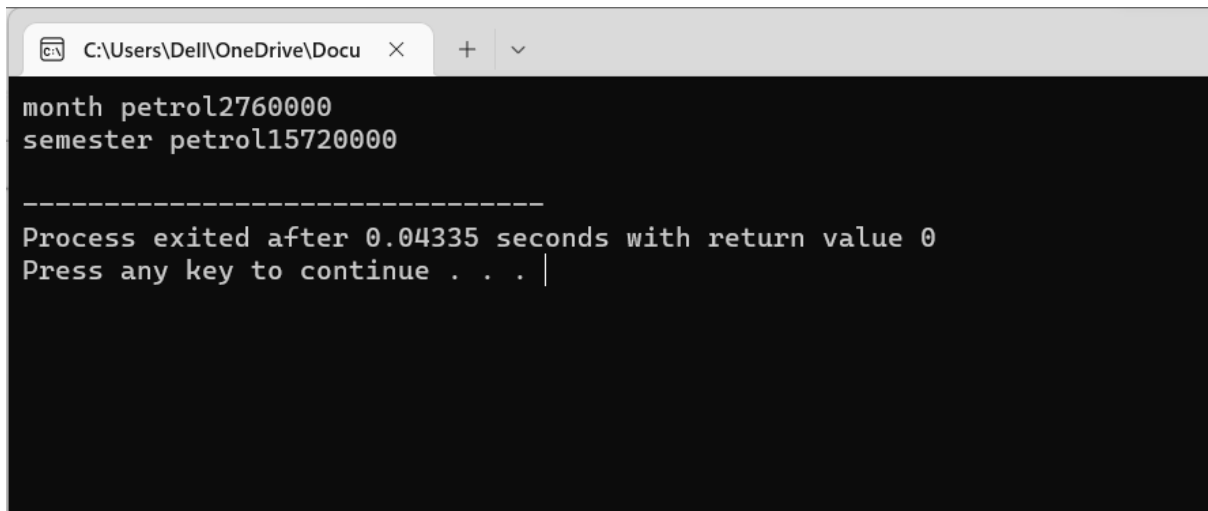
    month= petrol*23;

    semester= petrol*131;

    cout<<"month petrol"<<month<<endl;

    cout<<"semester petrol"<<semester<<endl;

}
```



The screenshot shows a Windows command prompt window with a single tab titled "C:\Users\Dell\OneDrive\Docu". The output of the program is displayed in a monospaced font on a black background. It shows the calculated values for month and semester petrol, followed by a separator line and the process exit message.

```
month petrol2760000
semester petrol15720000

-----
Process exited after 0.04335 seconds with return value 0
Press any key to continue . . . |
```

### **Task 8:**

```
#include<iostream>

using namespace std;

int main()
{
    int strikerate,avgrate,runscored1,
    runscored2,runscored3,runscored4,runscored5,runscored6,runscored7,
```

ballsaced1,ballsaced2,ballsaced3,ballsaced4,ballsaced5,ballsaced6,ballsaced7, srate1, srate2,  
srate3, srate4, srate5, srate6, srate7;

```
cin>>runscored1;
```

```
cin>>runscored2;
```

```
cin>>runscored3;
```

```
cin>>runscored4;
```

```
cin>>runscored5;
```

```
cin>>runscored6;
```

```
cin>>runscored7;
```

```
cin>>ballsaced1;
```

```
cin>>ballsaced2;
```

```
cin>>ballsaced3;
```

```
cin>>ballsaced4;
```

```
cin>>ballsaced5;
```

```
cin>>ballsaced6;
```

```
cin>>ballsaced7;
```

```
srate1 = (runscored1 / ballsaced1) * 100;
```

```
srate2 = (runscored2 / ballsaced2) * 100;
```

```
srate3 = (runscored3 / ballsaced3) * 100;
```

```
srate4 = (runscored4 / ballsaced4) * 100;
```

```
srate5 = (runscored5 / ballsaced5) * 100;
```

```
srate6 = (runscored6 / ballsaced6) * 100;
```

```
srate7 = (runscored7 / ballsaced7) * 100;
```

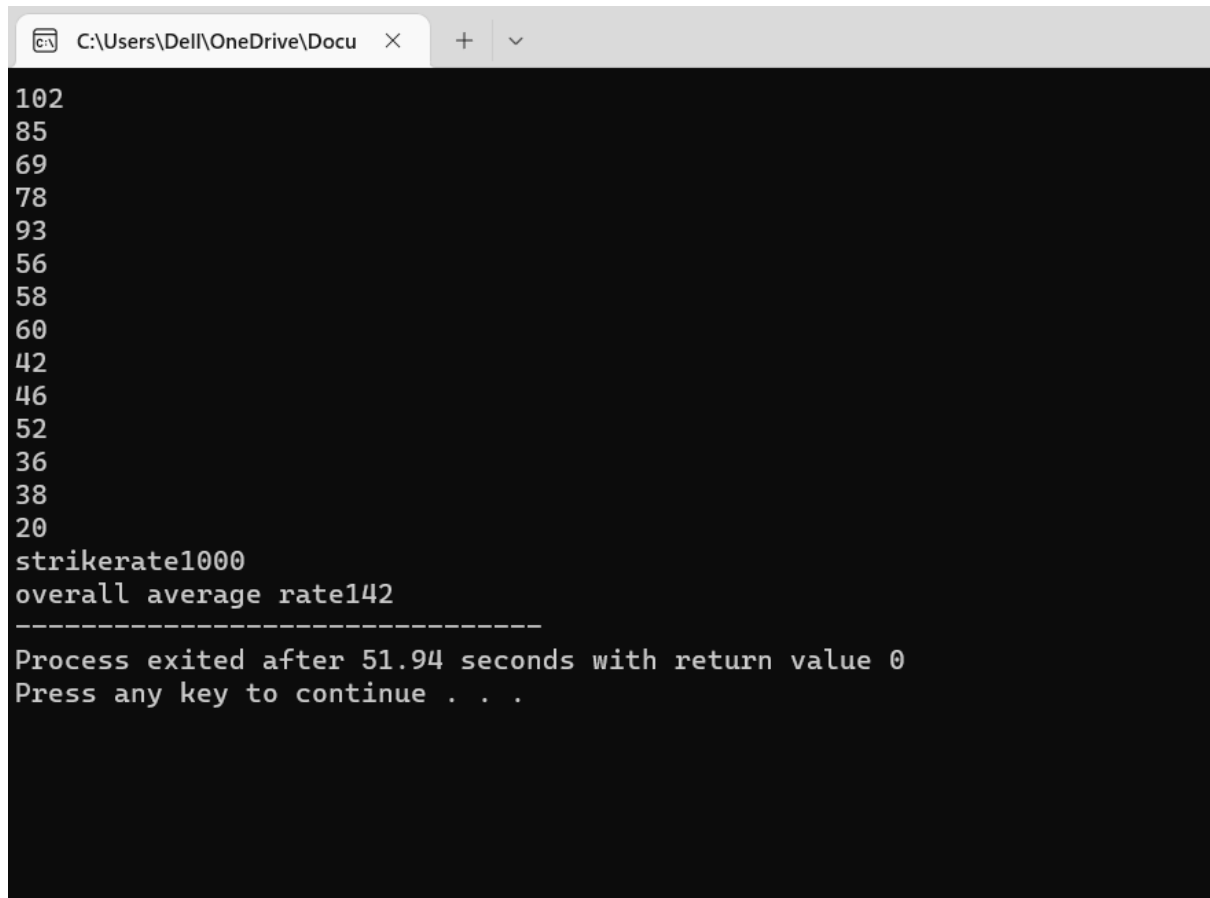
```
strikerate=srate1+srate2+srate3+srate4+srate5+srate6+srate7;
```

```
avgrate=strikerate/7;
```

```
cout<<"strikerate"<<strikerate<<endl;
```

```
cout<<"overall average rate"<<avgrate;
```

}



A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\Dell\OneDrive\Docu' and standard window controls. The command prompt has a black background with white text. The output of a program is displayed, showing a list of numbers, a strike rate, an overall average rate, and a process exit message.

```
102
85
69
78
93
56
58
60
42
46
52
36
38
20
strikerate1000
overall average rate142
-----
Process exited after 51.94 seconds with return value 0
Press any key to continue . . .
```

### **Task 9:**

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int numfr, costfr, numshaw, costshaw, numpiz, costpiz, fries, shaw, piz, total;
```

```
    cin>>numfr>>costfr>>numshaw>>costshaw>> numpiz>>costpiz;
```

```
    fries=numfr*costfr;
```

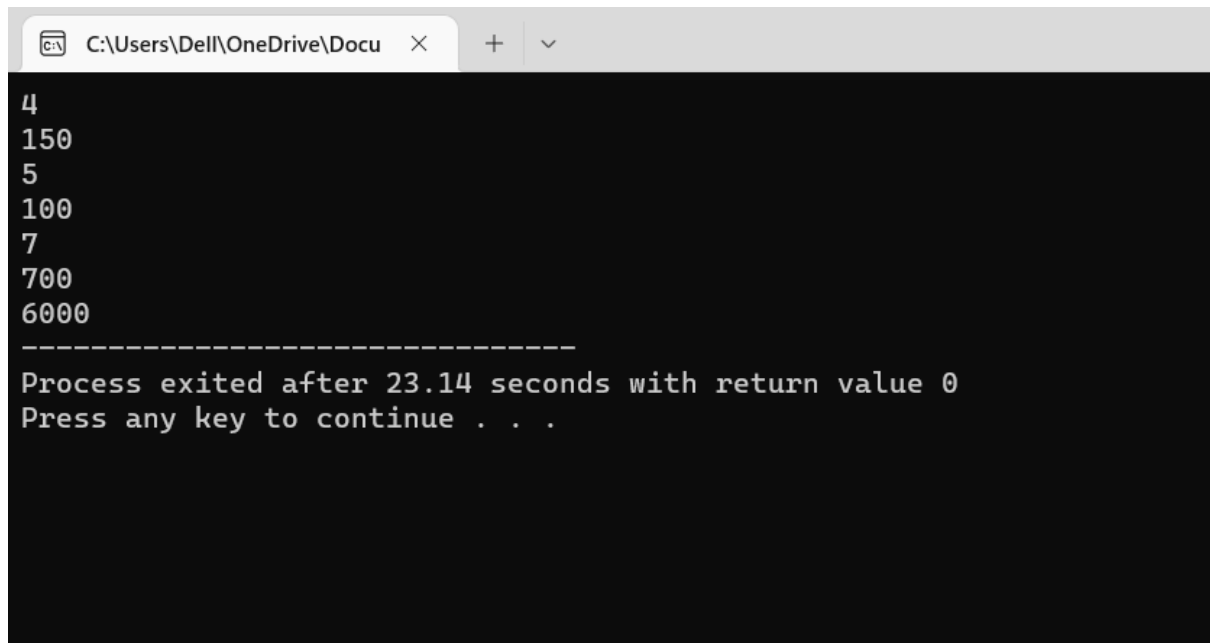
```
    shaw=numshaw*costshaw;
```

```
    piz=numpiz*costpiz;
```

```
    total=fries+shaw+piz;
```



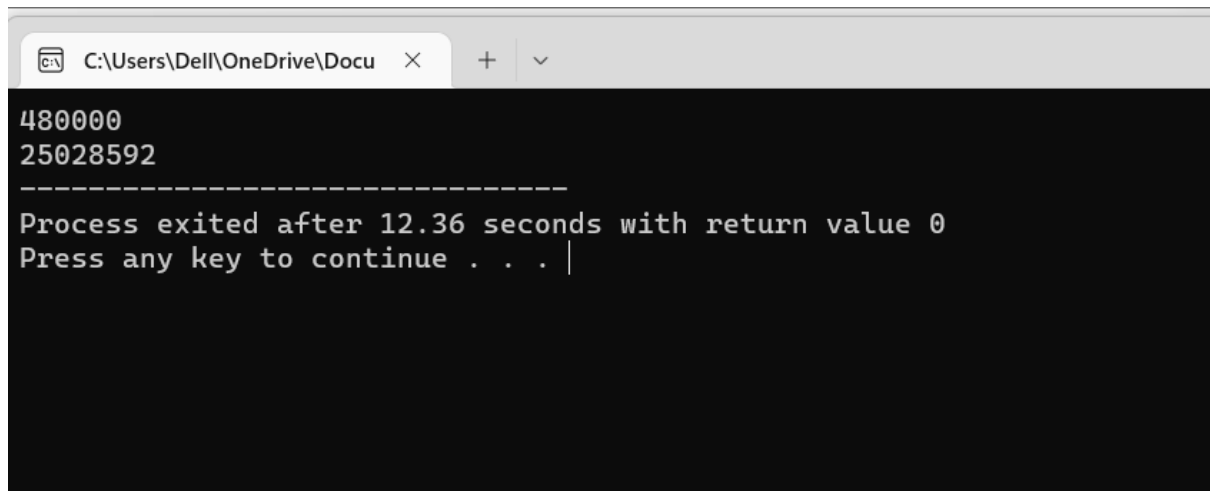
```
    cout<<total;
}
```



```
C:\Users\Dell\OneDrive\Docu  X  +  v
4
150
5
100
7
700
6000
-----
Process exited after 23.14 seconds with return value 0
Press any key to continue . . .
```

### **Task 10:**

```
#include<iostream>
using namespace std;
int main()
{
    int nw, pay;
    cin>>pay;
    nw=pay*52.1429;
    cout<<nw;
}
```



A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\Dell\OneDrive\Docu'. The command prompt displays the following text: '480000', '25028592', a dashed line separator, 'Process exited after 12.36 seconds with return value 0', and 'Press any key to continue . . . |'.

```
C:\Users\Dell\OneDrive\Docu >
480000
25028592
-----
Process exited after 12.36 seconds with return value 0
Press any key to continue . . . |
```

### **Task 11:**

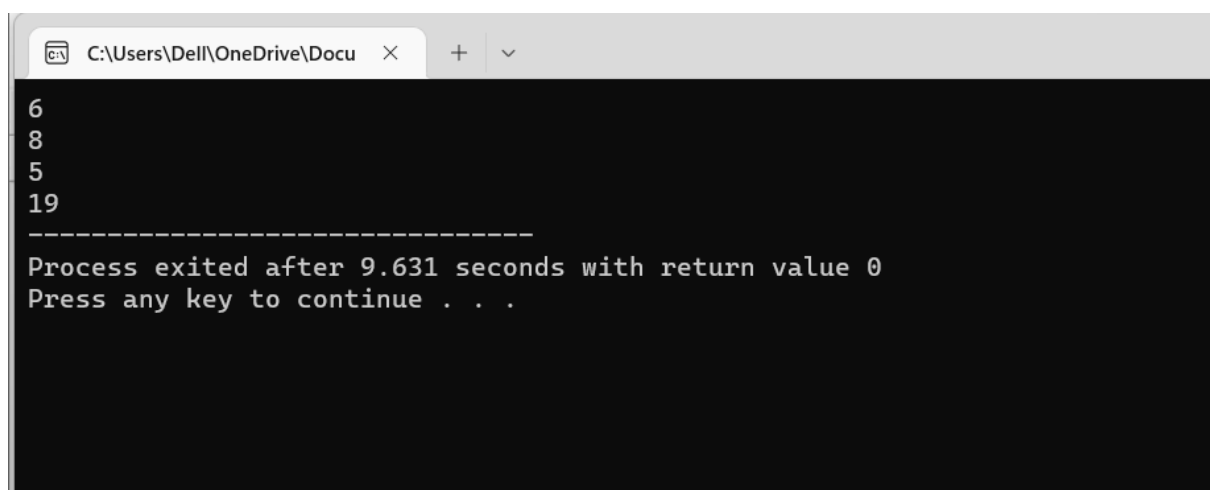
```
#include<iostream>

using namespace std;

int main()
{
    int pgoal1, pgoal2, agoal, goal ;

    cin>>pgoal1;
    cin>>pgoal2;
    cin>>agoal;
    goal=(pgoal1+pgoal2)+agoal;
    cout<<goal;

}
```



A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\Dell\OneDrive\Docu'. The command prompt displays the following text: '6', '8', '5', '19', a dashed line separator, 'Process exited after 9.631 seconds with return value 0', and 'Press any key to continue . . . '.

```
C:\Users\Dell\OneDrive\Docu >
6
8
5
19
-----
Process exited after 9.631 seconds with return value 0
Press any key to continue . . .
```

### **Task 12:**

```
#include<iostream>

using namespace std;

int main()
{
    int amount, followers, follower;

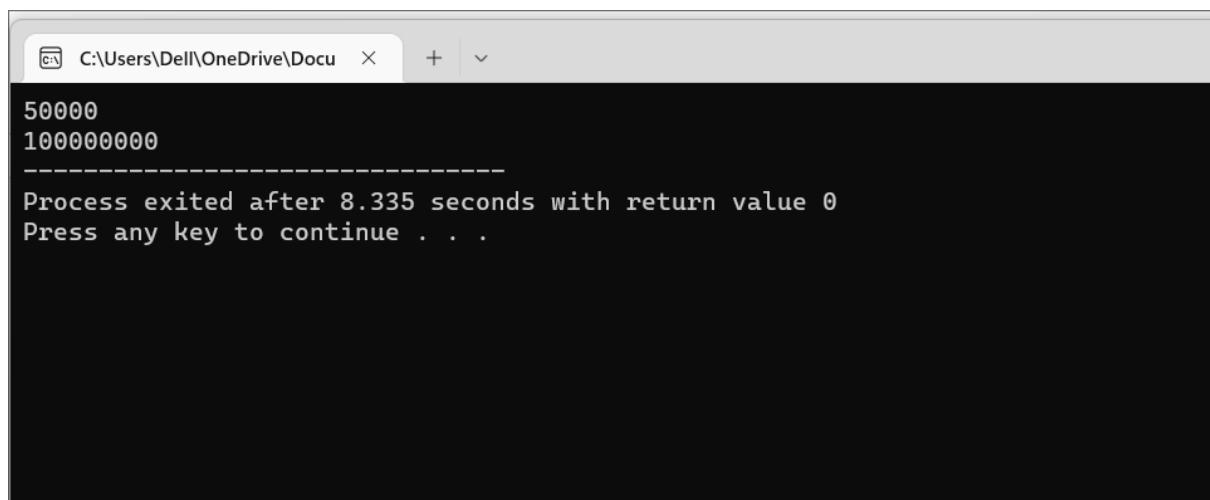
    cin>>follower;

    followers=follower*.40;

    amount= followers*5000;

    cout<<amount;

}
```



```
C:\Users\Dell\OneDrive\Docu  X + v
50000
1000000000
-----
Process exited after 8.335 seconds with return value 0
Press any key to continue . . .
```

### **Task 13:**

```
#include<iostream>

using namespace std;

int main()
{
    int pizp=700, pasp=200, cdp=50, winp=150, nugp=600,
    piza,pasa,cda,wina,nuga,tpiz,tpas,tcd,twin,tnug;

    cin>>piza>>pasa>>cda>>wina>>nuga;
```

```

    tpiz=pizp*piza;

    tpas=pasp*pasa;

    tcd=cdp*cda;

    twin=winp*wina;

    tnug=nugp*nuga;

    cout<<"menu"<<" .....prize"<<" .....amount....."<<"prize"<<endl;

    cout<<"pizza"<<" ..... "<<pizp<<" ..... "<<piza<<" ..... "<<tpiz<<endl;

    cout<<"pasta"<<" ..... "<<pasp<<" ..... "<<pasa<<" ..... "<<tpas<<" ..... "<<endl;

    cout<<"cold drinks"<<" ..... "<<cdp<<" ..... "<<cda<<" ..... "<<tcd<<" ..... "<<endl;

    cout<<"wings"<<" ..... "<<winp<<" ..... "<<wina<<" ..... "<<twin<<" ..... "<<endl;

    cout<<"nuggets"<<" ..... "<<nugp<<" ..... "<<nuga<<" ..... "<<tnug<<" ..... "<<endl;

}

```

```

5
4
8
7
8
menu.....prize.....amount.....prize
pizza.....700.....5.....3500
pasta.....200.....4.....800.....
cold drinks.....50.....8.....400.....
wings.....150.....7.....1050.....
nuggets.....600.....8.....4800.....

-----
Process exited after 6.437 seconds with return value 0
Press any key to continue . . .

```

## **Task 14:**

```

#include<iostream>

using namespace std;

```

```

int main()
{
    int length, width, area, lands, tarea;

    cin>>length;

    cin>>width;

    cin>>lands;

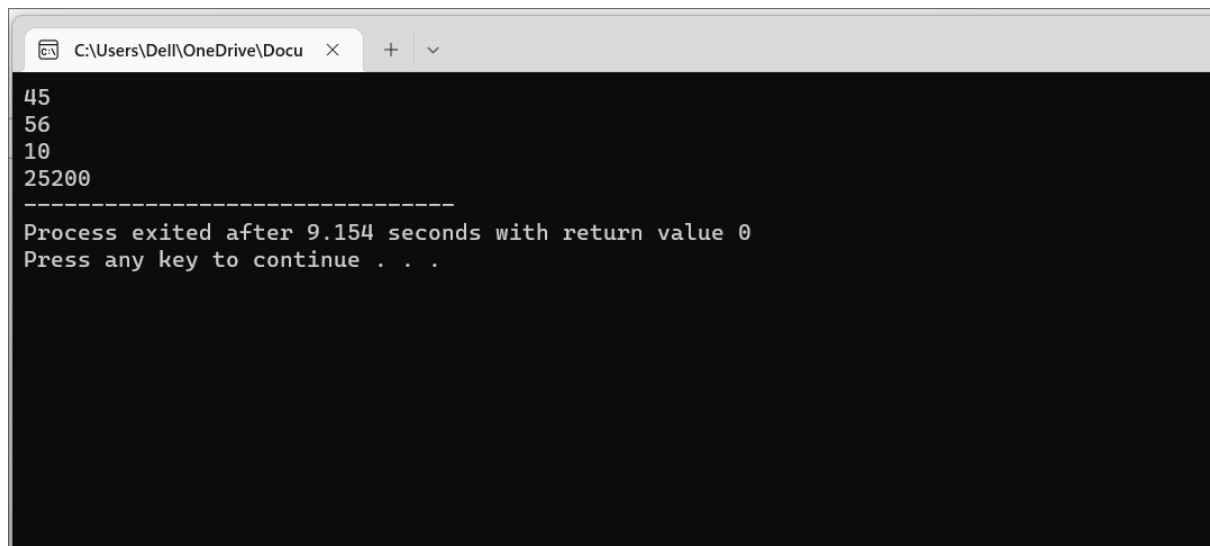
    area=length*width;

    tarea=area*lands;

    cout<<tarea;

}

```



```

C:\Users\ DELL\OneDrive\Docu
45
56
10
25200
-----
Process exited after 9.154 seconds with return value 0
Press any key to continue . . .

```

## **Task 15:**

```

#include<iostream>

using namespace std;

int main()
{
    int total, save, each=3, num,data;

    cin>>num>>data;

    total=each*num;

    save=data-total;

```

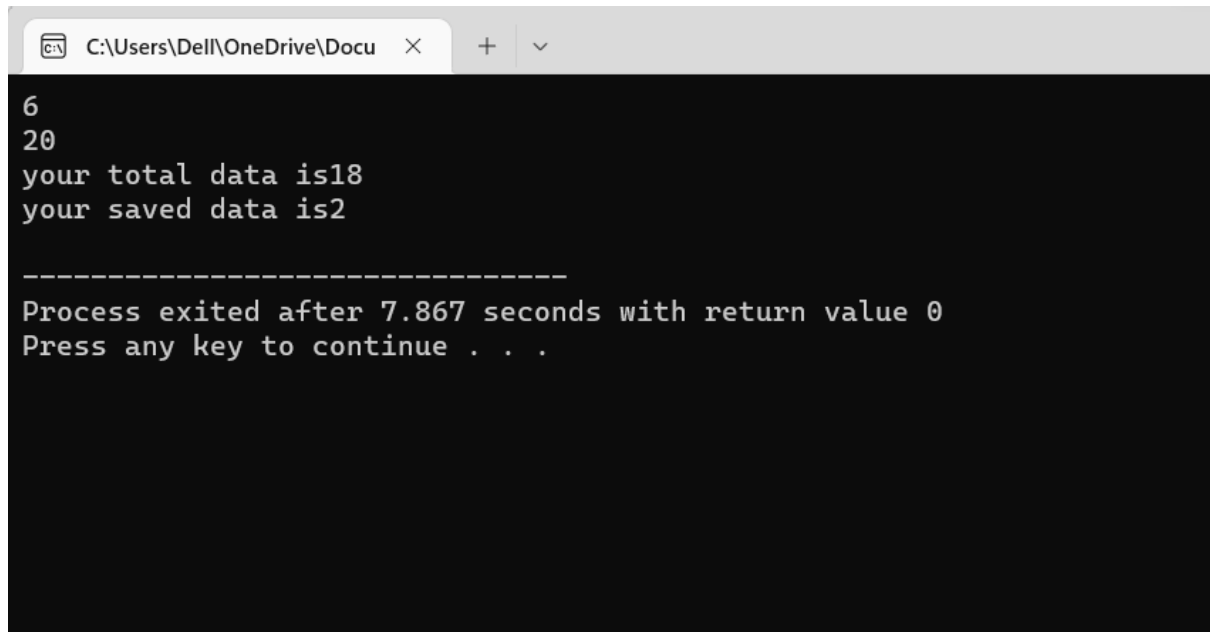
```

        cout<<"your total data is"<<total<<endl;

        cout<<"your saved data is"<<save<<endl;

    }

```



```

6
20
your total data is18
your saved data is2

-----
Process exited after 7.867 seconds with return value 0
Press any key to continue . . .

```

### **Task 16:**

```

#include<iostream>

using namespace std;

int main()
{
    double energy, mass;

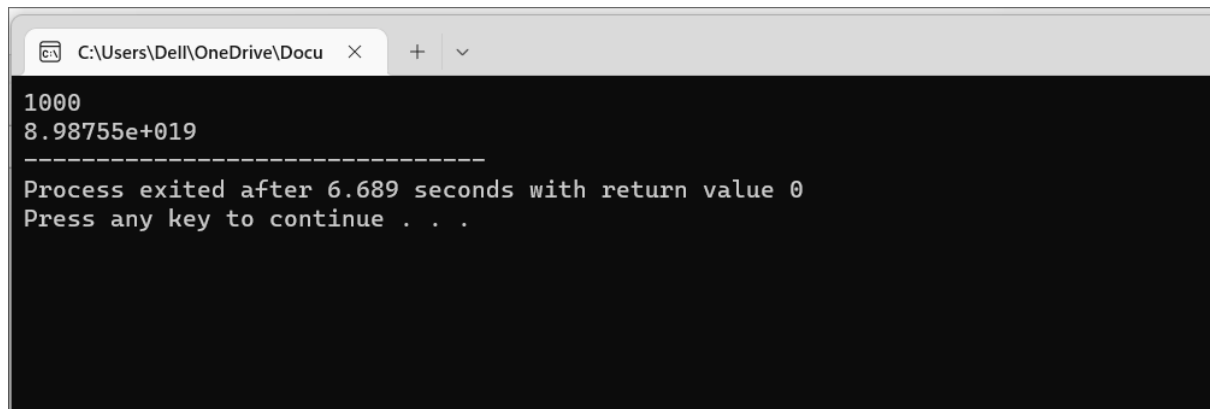
    cin>>mass;

    energy=mass*(299792458.0*299792458.0);

    cout<<energy;

}

```



A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\Dell\OneDrive\Docu'. The command prompt displays the output of a program: '1000', '8.98755e+019', followed by a dashed line separator, 'Process exited after 6.689 seconds with return value 0', and 'Press any key to continue . . .'. The background is black and the text is white.

```
1000
8.98755e+019
-----
Process exited after 6.689 seconds with return value 0
Press any key to continue . . .
```

### **Task 17:**

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int ak, amount, remaining;
```

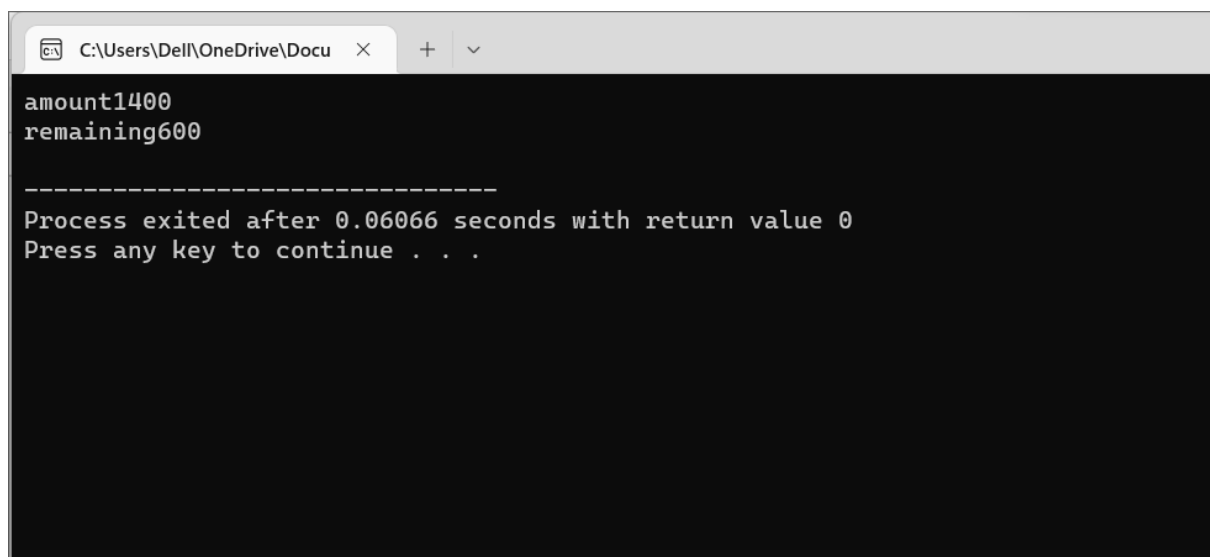
```
    amount=2000*.70;
```

```
    remaining=2000*.30;
```

```
    cout<<"amount"<<amount<<endl;
```

```
    cout<<"remaining"<<remaining<<endl;
```

```
}
```



A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\Dell\OneDrive\Docu'. The command prompt displays the output of a program: 'amount1400', 'remaining600', followed by a dashed line separator, 'Process exited after 0.06066 seconds with return value 0', and 'Press any key to continue . . .'. The background is black and the text is white.

```
amount1400
remaining600
-----
Process exited after 0.06066 seconds with return value 0
Press any key to continue . . .
```

### **Task 18:**

```
#include<iostream>

using namespace std;

int main()
{
    float distance, time, velocity, vi,vf,acceleration;

    cin>>distance>>time>>vf>>vi;

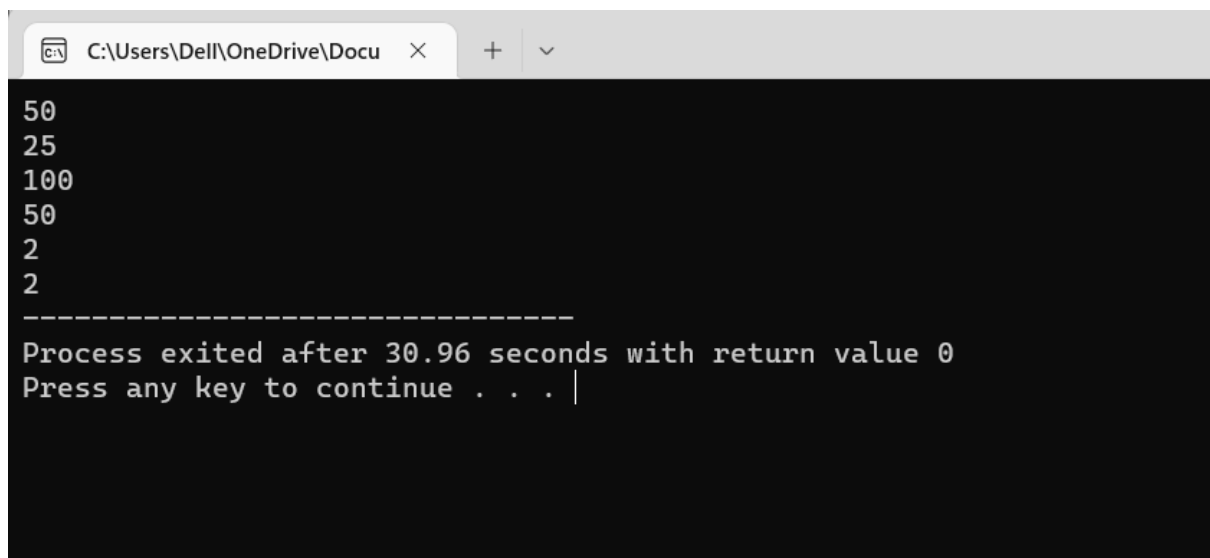
    velocity=distance/time;

    acceleration=(vf-vi)/time;

    cout<<velocity<<endl;

    cout<<acceleration;

}
```



```
C:\Users\Dell\OneDrive\Docu  X + v
50
25
100
50
2
2
-----
Process exited after 30.96 seconds with return value 0
Press any key to continue . . . |
```

### **Task 19:**

```
#include<iostream>

using namespace std;

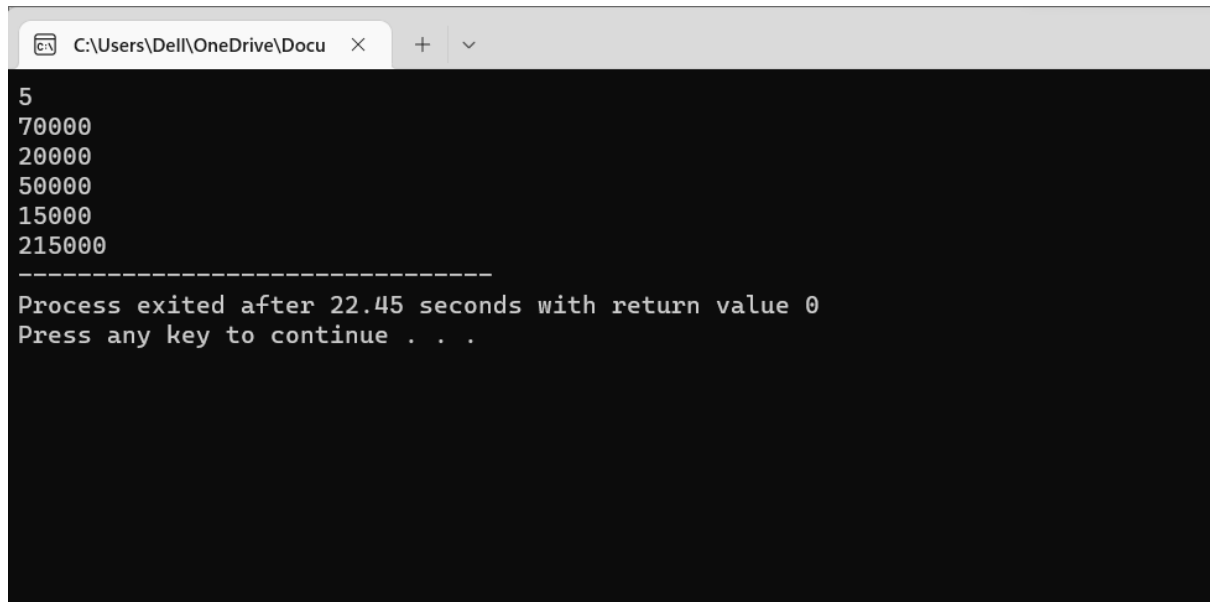
int main()
{
    int ha,pt,ti,wash, twash, numwash,total;

    cin>>numwash>>ha>>pt>>ti>>wash;

    twash=wash*numwash;
```



```
total=ha+pt+ti+twash;  
cout<<total;  
}
```



```
C:\Users\Dell\OneDrive\Docu  X + v  
5  
70000  
20000  
50000  
15000  
215000  
-----  
Process exited after 22.45 seconds with return value 0  
Press any key to continue . . .
```

## **Task 20:**

```
#include<iostream>  
using namespace std;  
int main()  
{  
    int songs,earning, totalcost;  
    cin>>earning>>songs;  
    totalcost=songs*earning;  
  
    cout<<totalcost;  
}
```

```
C:\Users\DeIl\OneDrive\Docu  X + v
10000
8
80000
-----
Process exited after 9.208 seconds with return value 0
Press any key to continue . . .
```

### **Task 21:**

```
#include<iostream>

using namespace std;

int main()
{
    float lan, tar, bara, stark, total=9076489, remaining;
    lan=total*0.50;
    remaining=total*0.50;
    bara=remaining/3;
    tar=remaining/3;
    stark=remaining/3;
    cout<<"lannister pays"<<lan<<endl;
    cout<<"stark pays"<<stark<<endl;
    cout<<"baratheon pays"<<bara<<endl;
    cout<<"targaryen pays"<<tar<<endl;
}
```

```
C:\Users\Dell\OneDrive\Docu  X + v
lannister pays4.53824e+006
stark pays1.51275e+006
baratheon pays1.51275e+006
targaryen pays1.51275e+006

-----
Process exited after 0.129 seconds with return value 0
Press any key to continue . . . |
```

## **Task 22:**

```
#include<iostream>

using namespace std;

int main()
{
    int temp,temp1,temp2,temp3, num, a,b,c,d,total,sum;

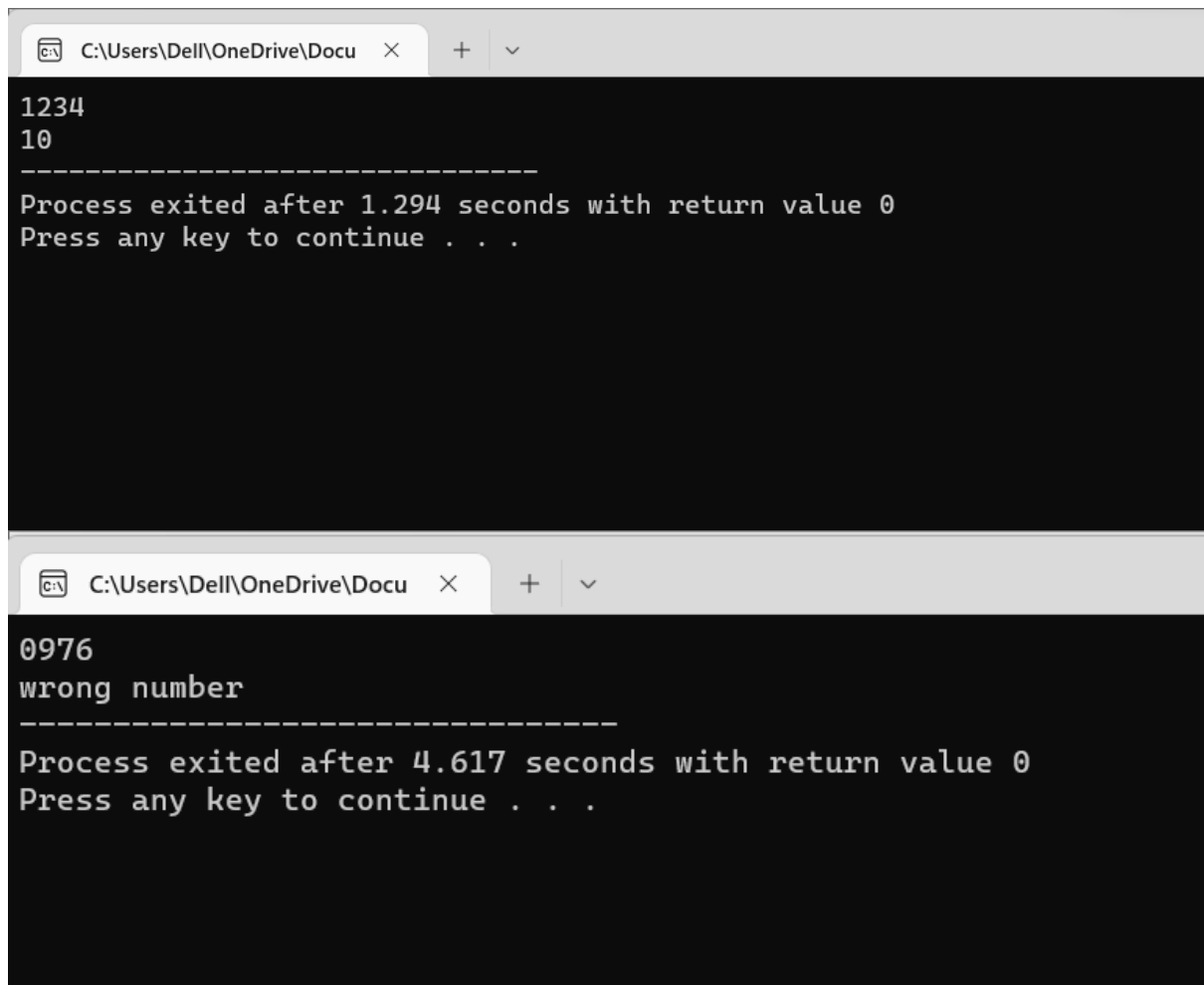
    cin>>num;

    if(num>999 && num<10000)
    {
        a=num%10;
        temp=num/10;
        b=temp%10;
        temp1=temp/10;
        c=temp1%10;
        temp2=temp1/10;
        d=temp2%10;
        temp3=temp2/10;
        sum=a+b+c+d;
        cout<<sum;
    }
}
```

```
else if(num<1000 || num>10000)

cout<<"wrong number";

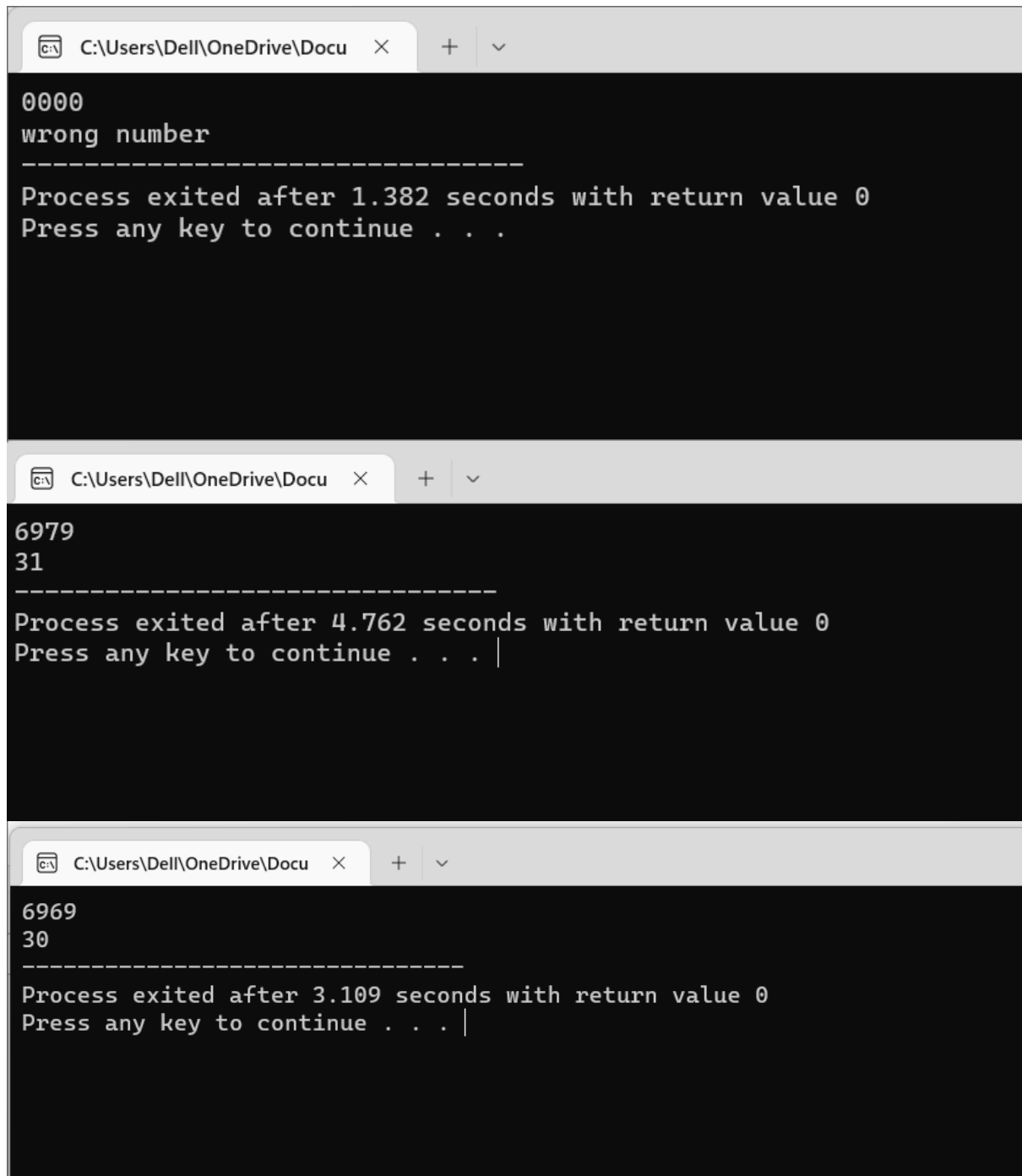
}
```



The image displays two screenshots of a C++ program's execution in a Windows command prompt. The window title is 'C:\Users\Dell\OneDrive\Docu'. The first screenshot shows the program running with input '1234' and '10', followed by a separator line and the message 'Process exited after 1.294 seconds with return value 0'. The second screenshot shows the program running with input '0976', outputting 'wrong number', followed by a separator line and the message 'Process exited after 4.617 seconds with return value 0'.

```
1234
10
-----
Process exited after 1.294 seconds with return value 0
Press any key to continue . . .
```

```
0976
wrong number
-----
Process exited after 4.617 seconds with return value 0
Press any key to continue . . .
```



### **Task 23:**

```
#include<iostream>

using namespace std;

int main()
{
```

```

float p1,p2,p3,p4,p5, m1,m2,m3,m4,m5,sum;

cin>>m1>>m2>>m3>>m4>>m5;

p1=(m1/100.0)*100;
p2=(m2/100.0)*100;
p3=(m3/100.0)*100;
p4=(m4/100.0)*100;
p5=(m5/100.0)*100;

sum=m1+m2+m3+m4+m5;

cout<<"percentage of subject 1="<<p1<<endl;
cout<<"percentage of subject 2="<<p2<<endl;
cout<<"percentage of subject 3="<<p3<<endl;
cout<<"percentage of subject 4="<<p4<<endl;
cout<<"percentage of subject 5="<<p5<<endl;
cout<<"total marks"<<sum;

}

```

```

C:\Users\Dell\OneDrive\Docu
60
80
90
50
70
percentage of subject 1=60
percentage of subject 2=80
percentage of subject 3=90
percentage of subject 4=50
percentage of subject 5=70
total marks350
-----
Process exited after 7.892 seconds with return value 0
Press any key to continue . . .

```

## **Task 24:**

```

#include<iostream>

using namespace std;

int main()

{

    float m1,m2,m3,m4,m5,m6,m7,m8,avg,obtmarks,percentage;

```

```

cin>>m1>>m2>>m3>>m4>>m5>>m6>>m7>>m8;

avg=(m1+m2+m3+m4+m5+m6+m7+m8)/8;

obtmaks=m1+m2+m3+m4+m5+m6+m7+m8;

percentage=(obtmaks/80.0)*100.0;

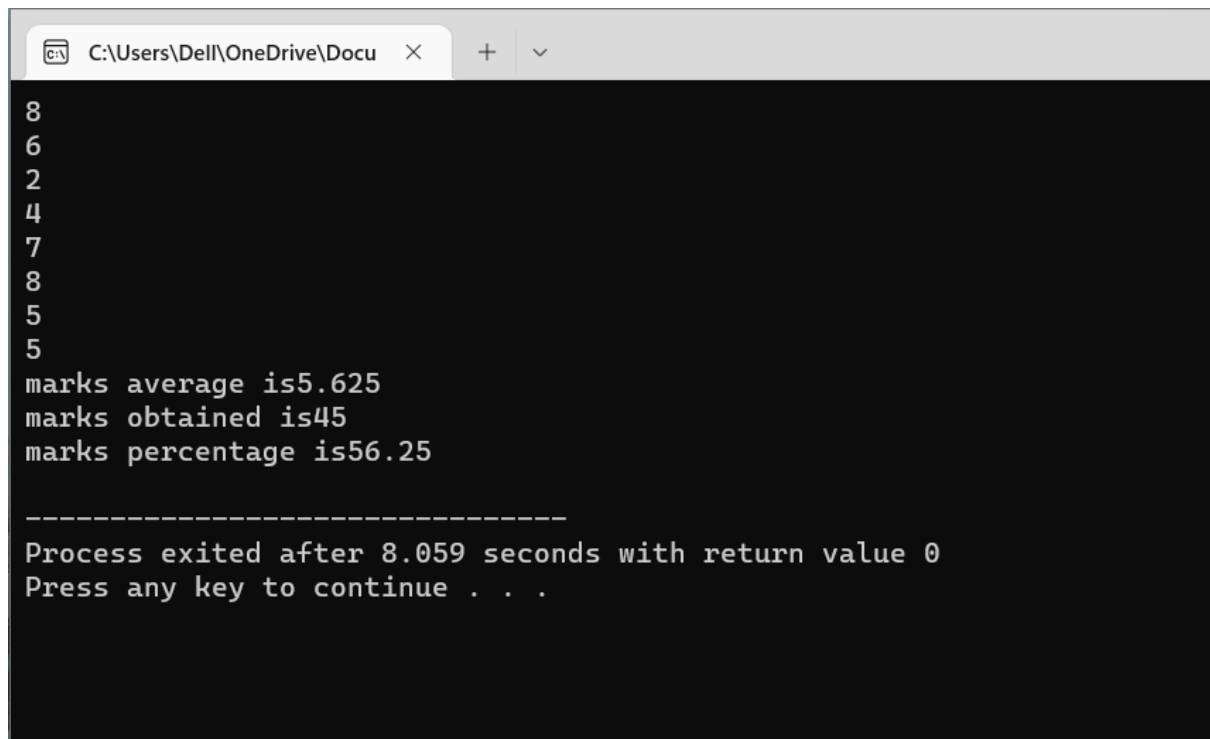
cout<<"marks average is"<<avg<<endl;

cout<<"marks obtained is"<<obtmaks<<endl;

cout<<"marks percentage is"<<percentage<<endl;

}

```



```

8
6
2
4
7
8
5
5
marks average is5.625
marks obtained is45
marks percentage is56.25

-----
Process exited after 8.059 seconds with return value 0
Press any key to continue . . .

```

### **Task 25:**

```

#include<iostream>

using namespace std;

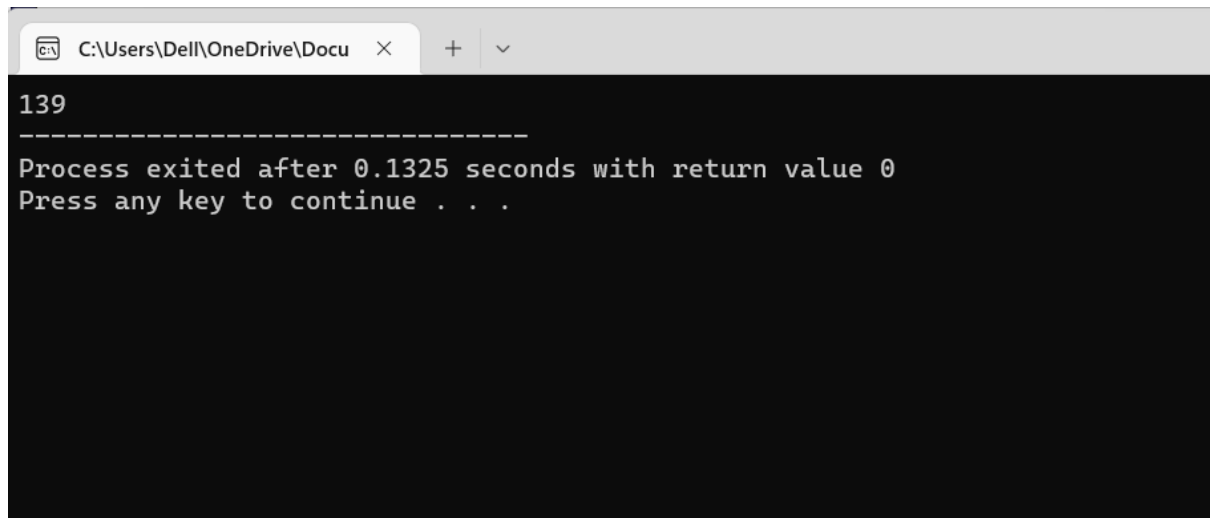
int main()
{
    int stops=13, stopstime=3, time=100, total;

    total=(stops*stopstime)+time;

    cout<<total;

}

```



```
C:\Users\Dell\OneDrive\Docu 139
-----
Process exited after 0.1325 seconds with return value 0
Press any key to continue . . .
```

### **Task 26:**

```
#include<iostream>

using namespace std;

int main()
{
    float a,b,sum;

    cin>>a>>b;

    sum=a+b;

    int sum1;

    sum1=a+b;

    cout<<"float sum is"<<sum<<endl;

    cout<<"int sum is"<<sum1<<endl;

}
```



```
C:\Users\Dell\OneDrive\Docu  X + v
15.5
16.2
float sum is31.7
int sum is31

-----
Process exited after 3.815 seconds with return value 0
Press any key to continue . . . |
```

### **Task 27:**

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int temp,temp1,temp2, num, a,b,c,d,sum;
```

```
    cin>>num;
```

```
    if(num>99 && num<1000)
```

```
    {
```

```
        a=num%10;
```

```
        temp=num/10;
```

```
        b=temp%10;
```

```
        temp1=temp/10;
```

```
        c=temp1%10;
```

```
        temp2=temp1/10;
```

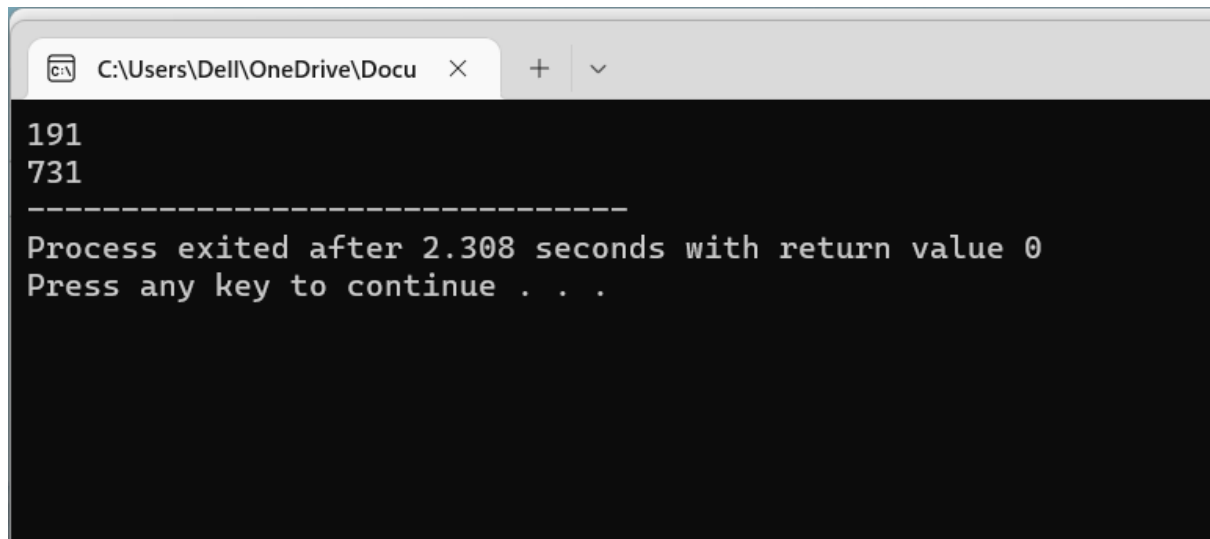
```
        sum=(a*a*a)+(b*b*b)+(c*c*c);
```

```
        cout<<sum;
```

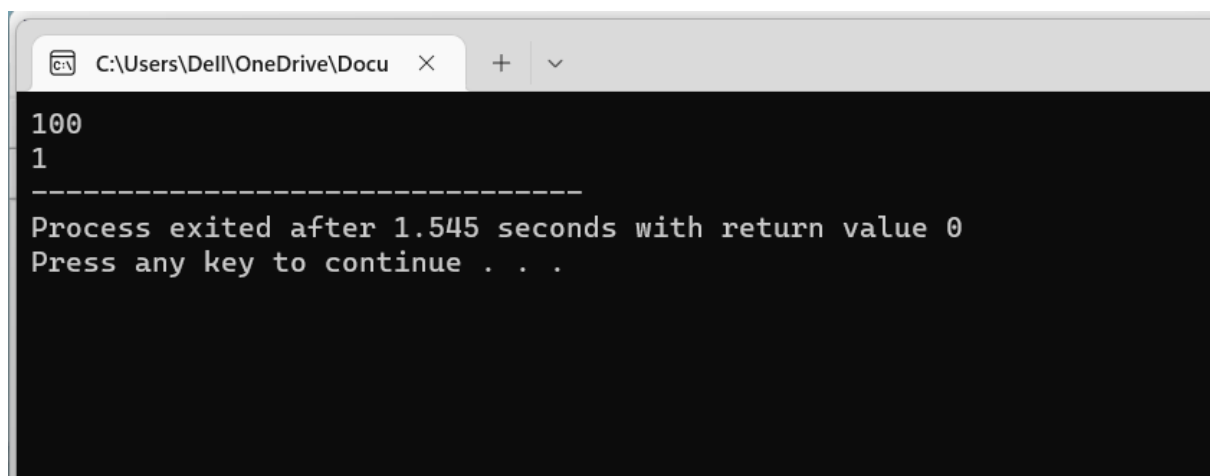
```
    }
```

```
    else if (num<100 || num>1000)
```

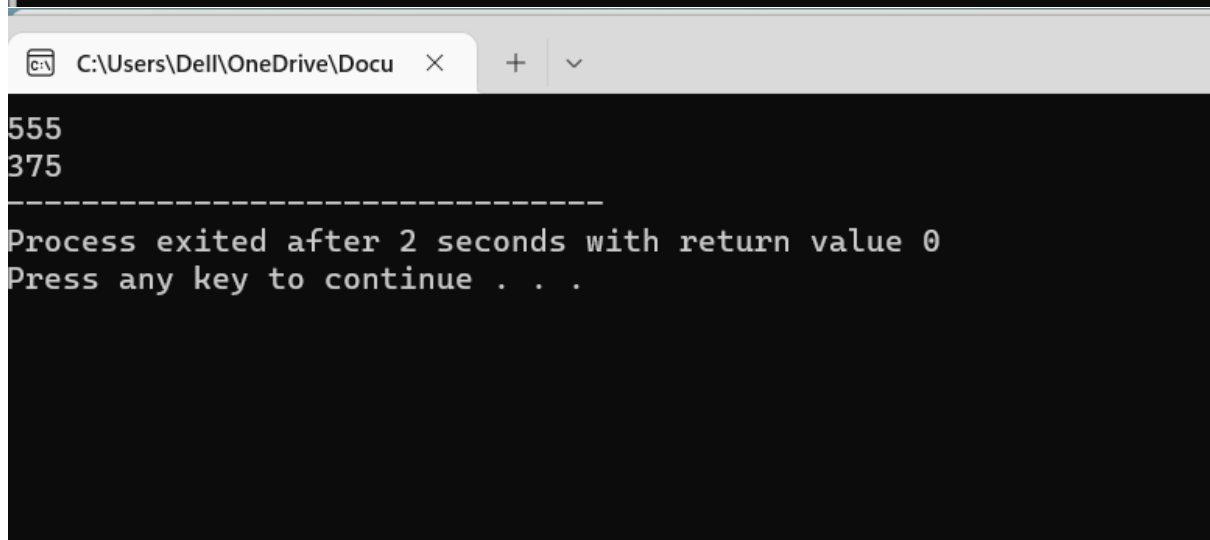
```
    cout<<"wrong number";  
}
```



```
C:\Users\Dell\OneDrive\Docu  X  +  v  
191  
731  
-----  
Process exited after 2.308 seconds with return value 0  
Press any key to continue . . .
```



```
C:\Users\Dell\OneDrive\Docu  X  +  v  
100  
1  
-----  
Process exited after 1.545 seconds with return value 0  
Press any key to continue . . .
```



```
C:\Users\Dell\OneDrive\Docu  X  +  v  
555  
375  
-----  
Process exited after 2 seconds with return value 0  
Press any key to continue . . .
```

### **Task 28:**

```
#include<iostream>

using namespace std;

int main()
{
    int smlp=10, medp=50, lap=100,spa,mpa,lpa,sum;

    cin>>spa;

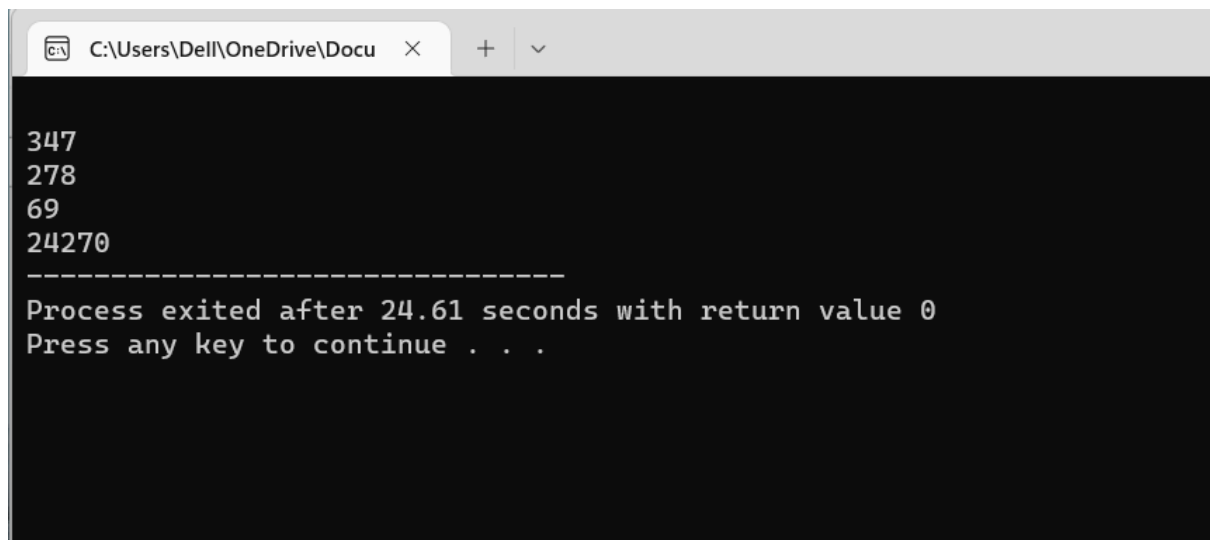
    cin>>mpa;

    cin>>lpa;

    sum=(smlp*spa)+(medp*mpa)+(lap*lpa);

    cout<<sum;

}
```



```
C:\Users\Dell\OneDrive\Docu  X + v

347
278
69
24270
-----
Process exited after 24.61 seconds with return value 0
Press any key to continue . . .
```

### **Task 29:**

```
#include<iostream>

using namespace std;

int main()
{
    float tempc,ftemp,ktemp;
```

```

    cin>>tempc;

    ftemp=(9/5.0)*(tempc+32);

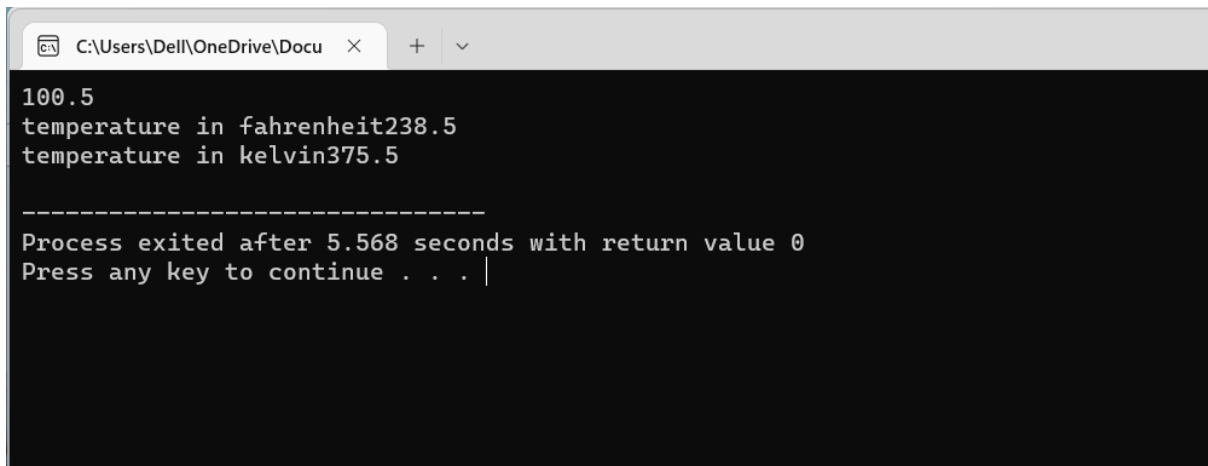
    ktemp=tempc+275;

    cout<<"temperature in fahrenheit"<<ftemp<<endl;

    cout<<"temperature in kelvin"<<ktemp<<endl;

}

```



```

C:\Users\Dell\OneDrive\Docu  X  +  v
100.5
temperature in fahrenheit238.5
temperature in kelvin375.5

-----
Process exited after 5.568 seconds with return value 0
Press any key to continue . . . |

```

### **Task 30:**

```

#include<iostream>

using namespace std;

int main()
{
    char ch1='H',ch2='e',ch3='l',ch4='l',ch5='o',ch6='w',ch7='o',ch8='r',ch9='l',ch10='d';

    cout<<("%C\n",ch1);

    cout<<("%C\n",ch2);

    cout<<("%C\n",ch3);

    cout<<("%C\n",ch4);

    cout<<("%C\n",ch5);

    cout<<("%C\n","");

    cout<<("%C\n",ch6);

    cout<<("%C\n",ch7);

    cout<<("%C\n",ch8);

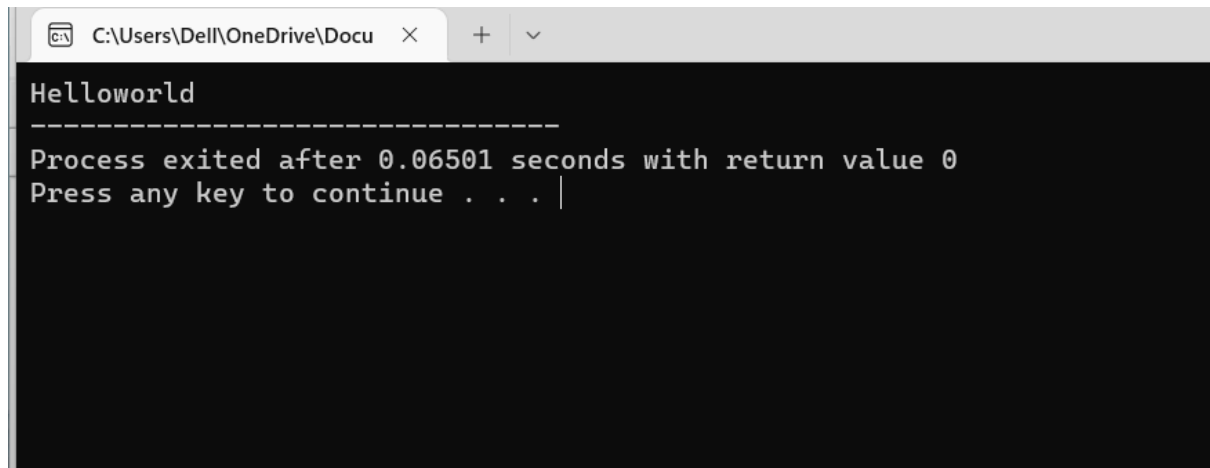
    cout<<("%C\n",ch9);

```

```

        cout<<("%C\n",ch10);
    }

```



```

C:\Users\Dell\OneDrive\Docu
Helloworld
-----
Process exited after 0.06501 seconds with return value 0
Press any key to continue . . . |

```

### **Task30:**

```

#include<iostream>

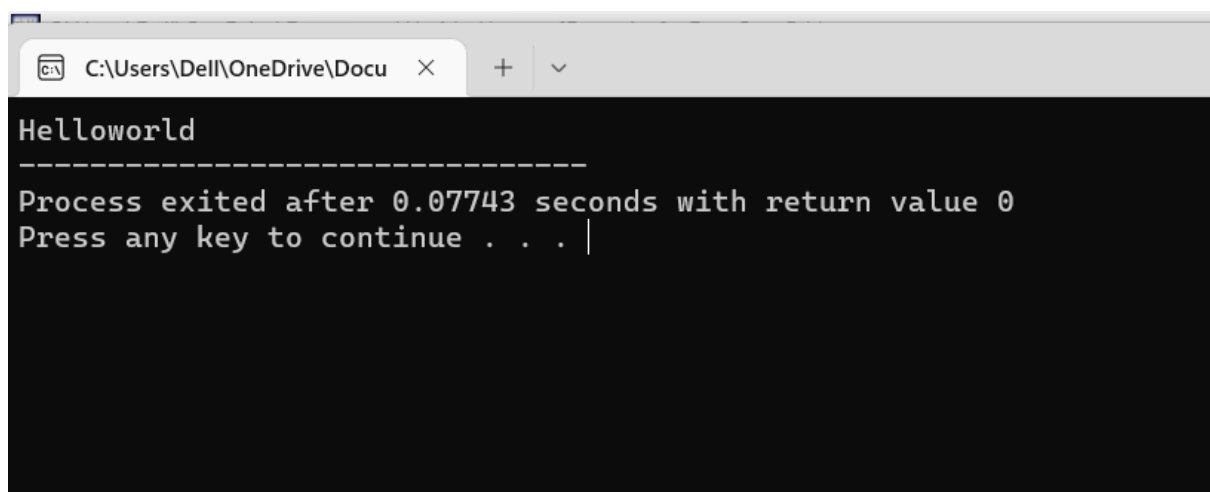
using namespace std;

int main()
{
    char ch1='H',ch2='e',ch3='l',ch4='l',ch5='o',ch6='w',ch7='o',ch8='r',ch9='l',ch10='d';

    cout<<ch1<<ch2<<ch3<<ch4<<ch5<<" "<<ch6<<ch7<<ch8<<ch9<<ch10;

}

```



```

C:\Users\Dell\OneDrive\Docu
Helloworld
-----
Process exited after 0.07743 seconds with return value 0
Press any key to continue . . . |

```

