**Question -1**

**/\*..WAP to print any message on the screen.....\*/**

**#include<stdio.h>**

**#include<conio.h>**

**void main()**

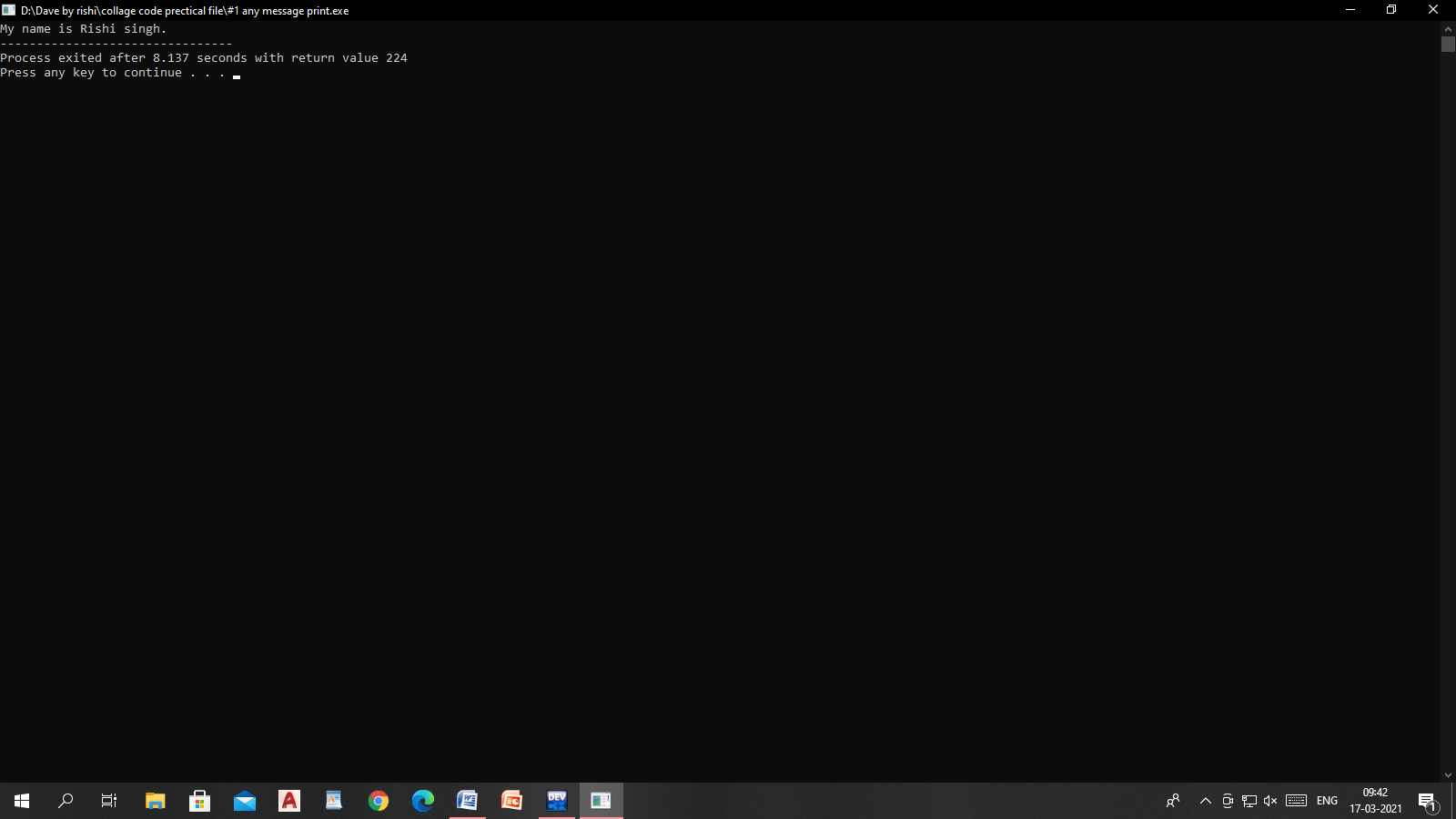
**{**

**printf("My name is Rishi singh.");**

**getch();**

**}**

**Output:**

****

**Question-2**

**/\*..WAP to input 2 no's from the user & do their addition, subtraction, multiplication & division......\*/**

**#include<stdio.h>**

**#include<conio.h>**

**void main()**

**{**

**int a,b;**

**float x,y;**

**printf("Enter any two number.");**

**scanf("%d%d",&a,&b);**

**printf("add=%d;\nsubtraction=%d;\nmultiplication=%d;\n",a+b,a-b,a\*b);**

**printf("\nEnter any two number for division\n");**

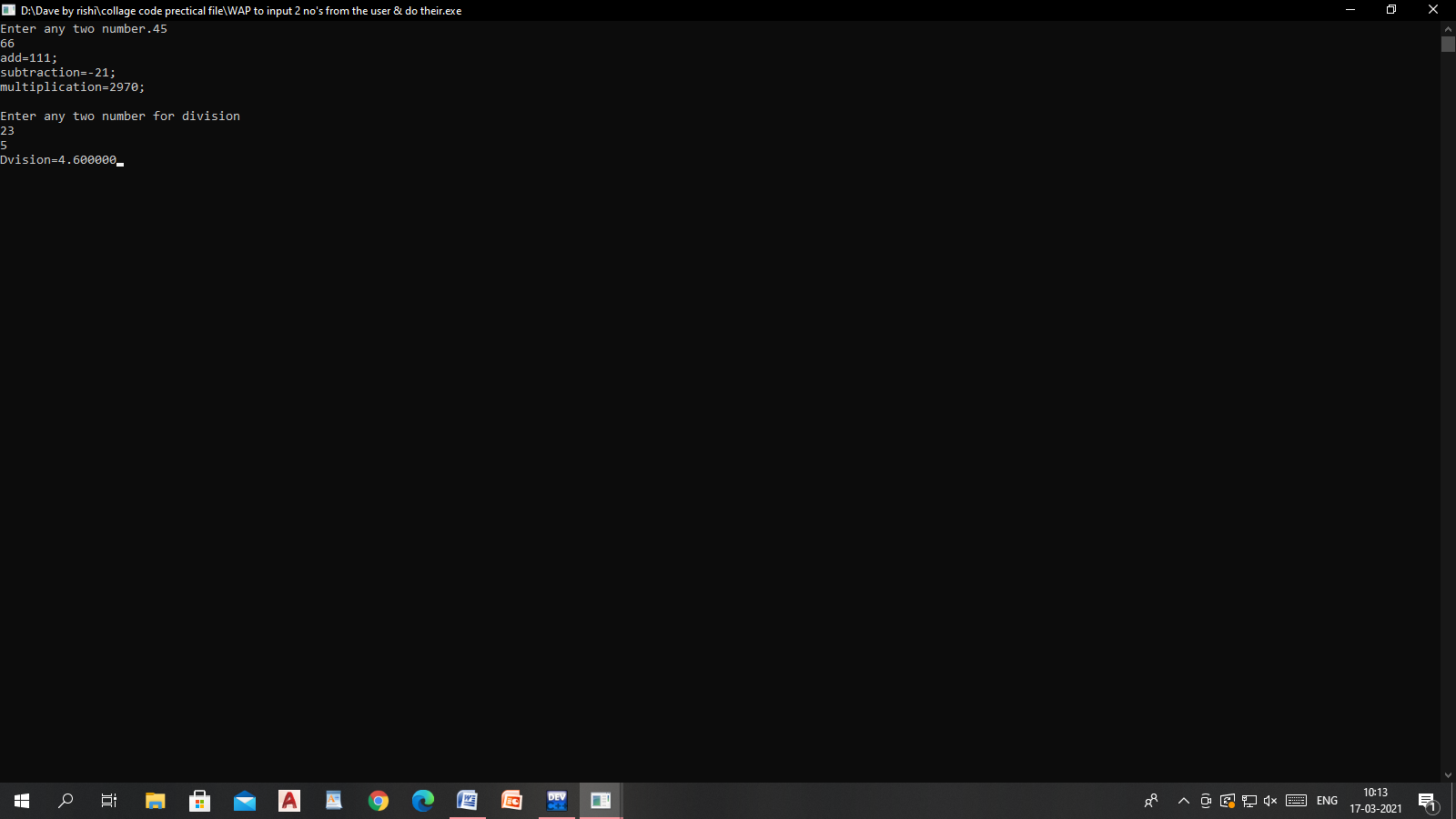
**scanf("%f%f",&x,&y);**

**printf("Dvision=%f",x/y);**

**getch();**

**}**

**output:-**

****

**Question- 3**

**/\*..WAP to input principal, rate, time and find the simple interest.....\*/**

**#include<stdio.h>**

**#include<conio.h>**

**void main()**

**{**

**int p,i,n,SI;**

**/\*..Simple Interest = (P × R × T)/100**

**Where P = Principal Amount, R = Rate per Annum, T = Time (years) ...\*/**

**printf("Enter :\nprincipal(P);\nrate(I);\ntime(N)\n");**

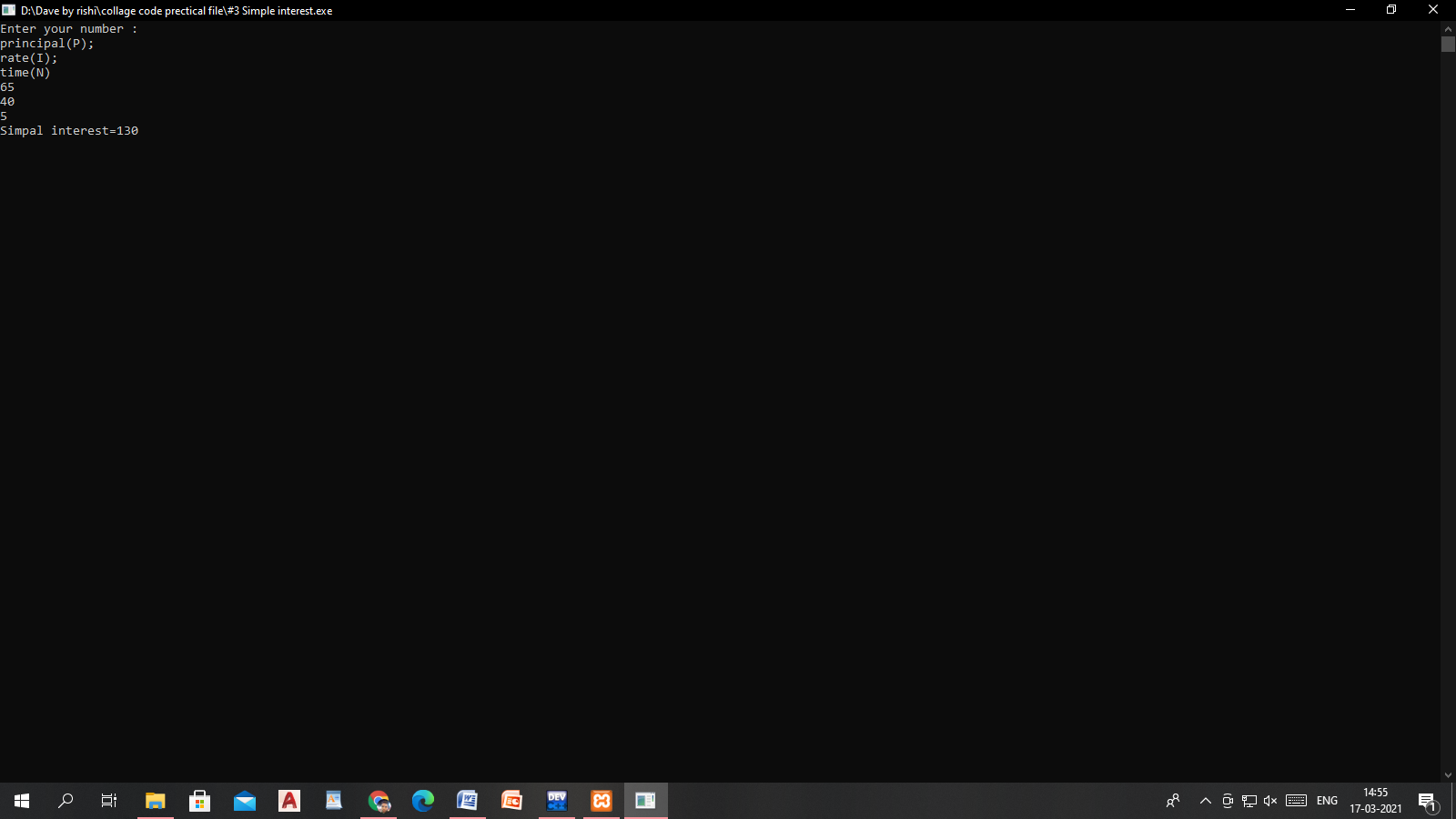
**scanf("%d%d%d",&p,&i,&n);**

**SI=(p\*i\*n)/100;**

**printf("Simpal interest=%d",SI);**

**getch();**

**}**

****

**Question-4**

**/\*..WAP to input area of circle, rectangle & square.....\*/**

**/\*Rectangle Area = l × w L = length \ w = width**

**Square Area = a^2 a = sides of square**

**Circle Area = phi\*r^2 r = radius of circle\*/**

**#include<stdio.h>**

**#include<conio.h>**

**void main()**

**{**

**int r,l,w,S,R;**

**float C,phi=3.14;**

**printf("Enter your number for -\nArea of Circle.\nside of Square");**

**scanf("%d",&r);**

**C=phi\*r\*r;**

**S=r\*r;**

**printf("Enter your number for Rectangle: \nl=length, w=width\n");**

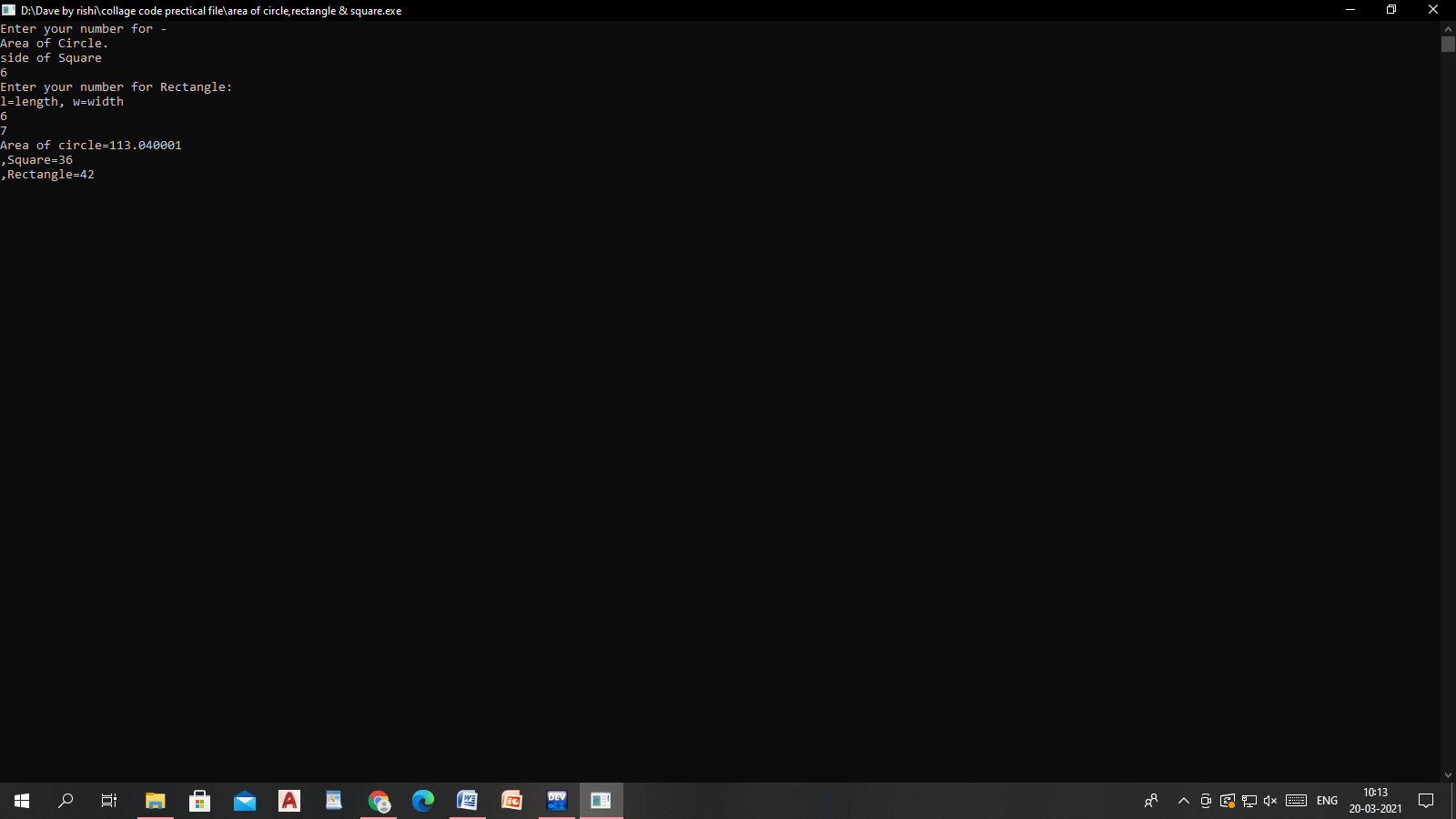
**scanf("%d%d",&l,&w);**

**R=l\*w;**

**printf("Area of circle=%f\n, Square=%d\n, Rectangle=%d\n",C,S,R);**

**getch();**

**}**



***Question-5***

***/\*..WAP to enter marks of a student in 5 subjects & calculate the percentage….\*/***

**#include<stdio.h>**

**#include<conio.h>**

**int main()**

**{**

**int cp,math,bc,pom,cf;**

**float p;**

**printf("Enter your 5 subject marks:\n each subject contain 100 marks:\n");**

**scanf("%d%d%d%d%d",&cp,&math,&bc,&pom,&cf);**

**p=(cp+math+bc+pom+cf)/5;**

**printf("parsent=%f\n",p);**

**if(p>60)**

**{**

**printf("\ngread 1st division\n");**

**}**

**else if(p>60 && p<50)**

**{**

**printf("\ngread 2nd division\n");**

**}**

**else if(p>50 && p<40)**

**{**

**printf("\ngread 3rd division\n");**

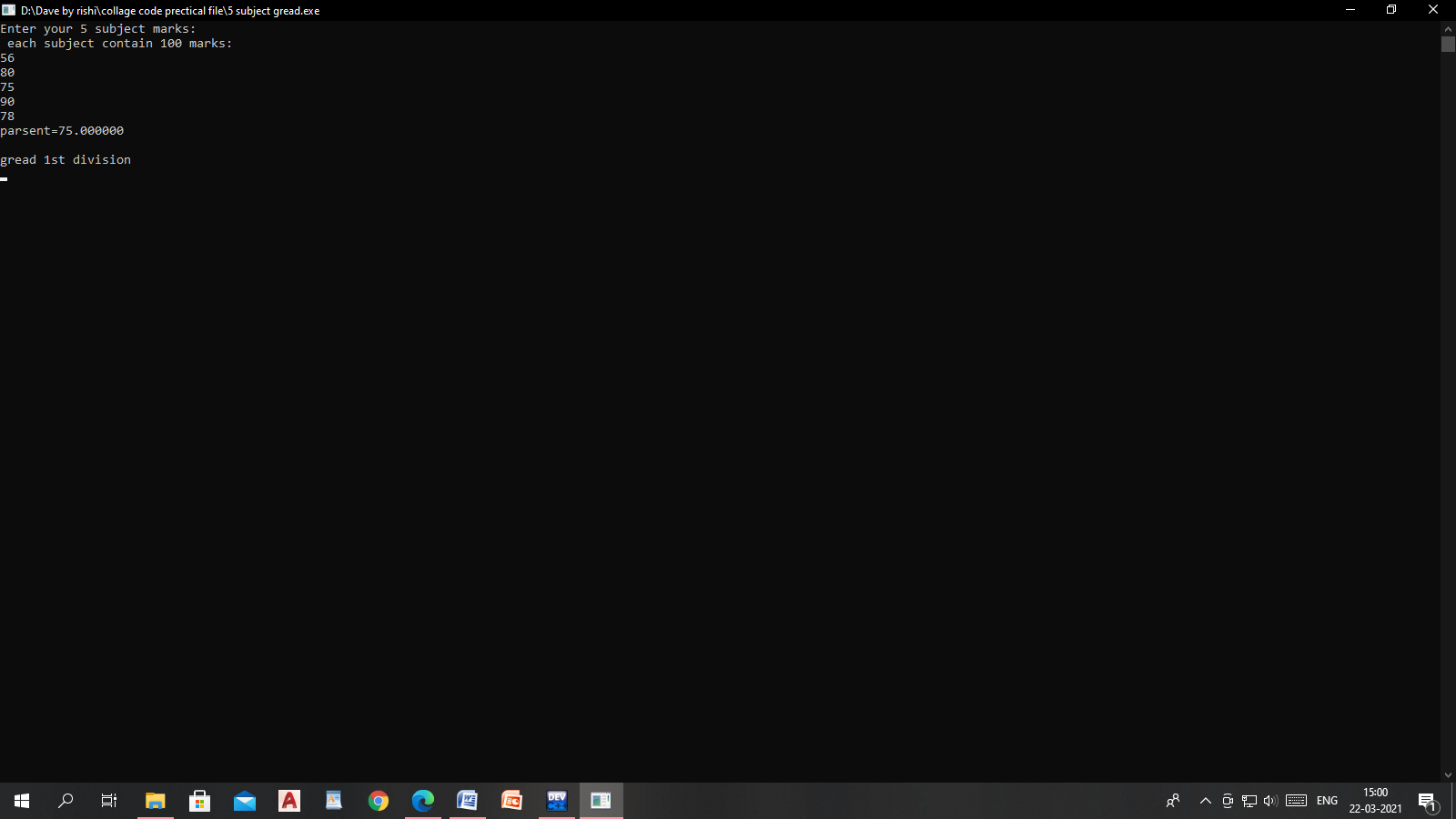
**}**

**else**

**printf("\nyou are fail\n");**

**getch();**

**}**



**Question-6**

***/\*…..WAP to find average of 7 numbers……..\*/***

**/\*..WAP to find average of 7 numbers.......\*/**

**#include<stdio.h>**

**#include<conio.h>**

**int main()**

**{**

**int a,b,c,d,f,g,h;**

**float A;**

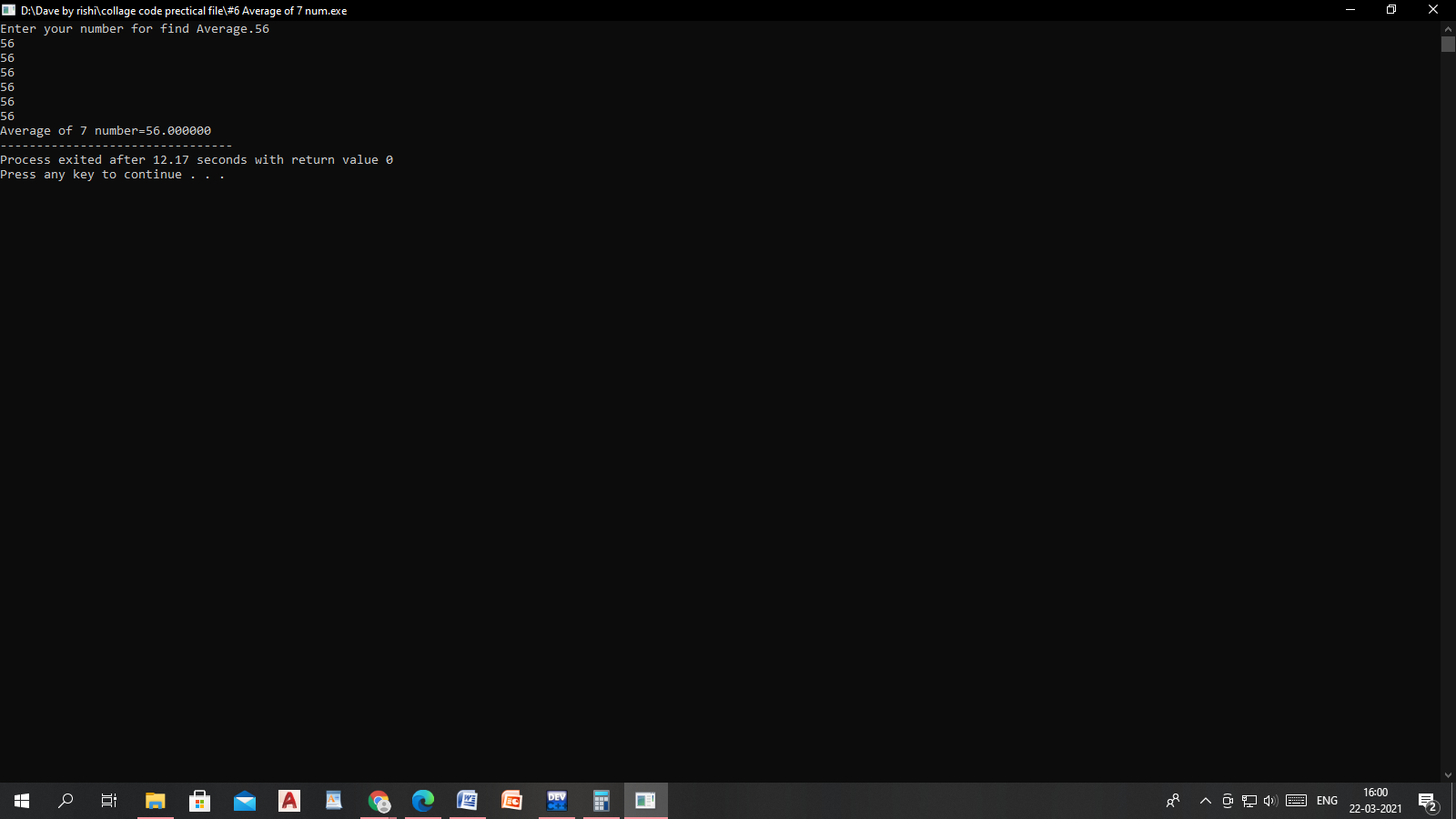
**printf("Enter your number for find Average.");**

**scanf("%d%d%d%d%d%d%d",&a,&b,&c,&d,&f,&g,&h);**

**A=(a+b+c+d+f+g+h)/7;**

**printf("Average of 7 number=%f",A);**

**}**

****

***Question-7***

***/\*...WAP to calculate***

***i=(a+b)^2***

***ii=(a+b)^3***

***iii=(a^2-b^2).........\*/***

**#include<stdio.h>**

**#include<conio.h>**

**void main()**

**{**

**int a,b,A,B,C;**

**printf("Enter your number:");**

**scanf("%d%d",&a,&b);**

**A=(a+b)\*(a+b);**

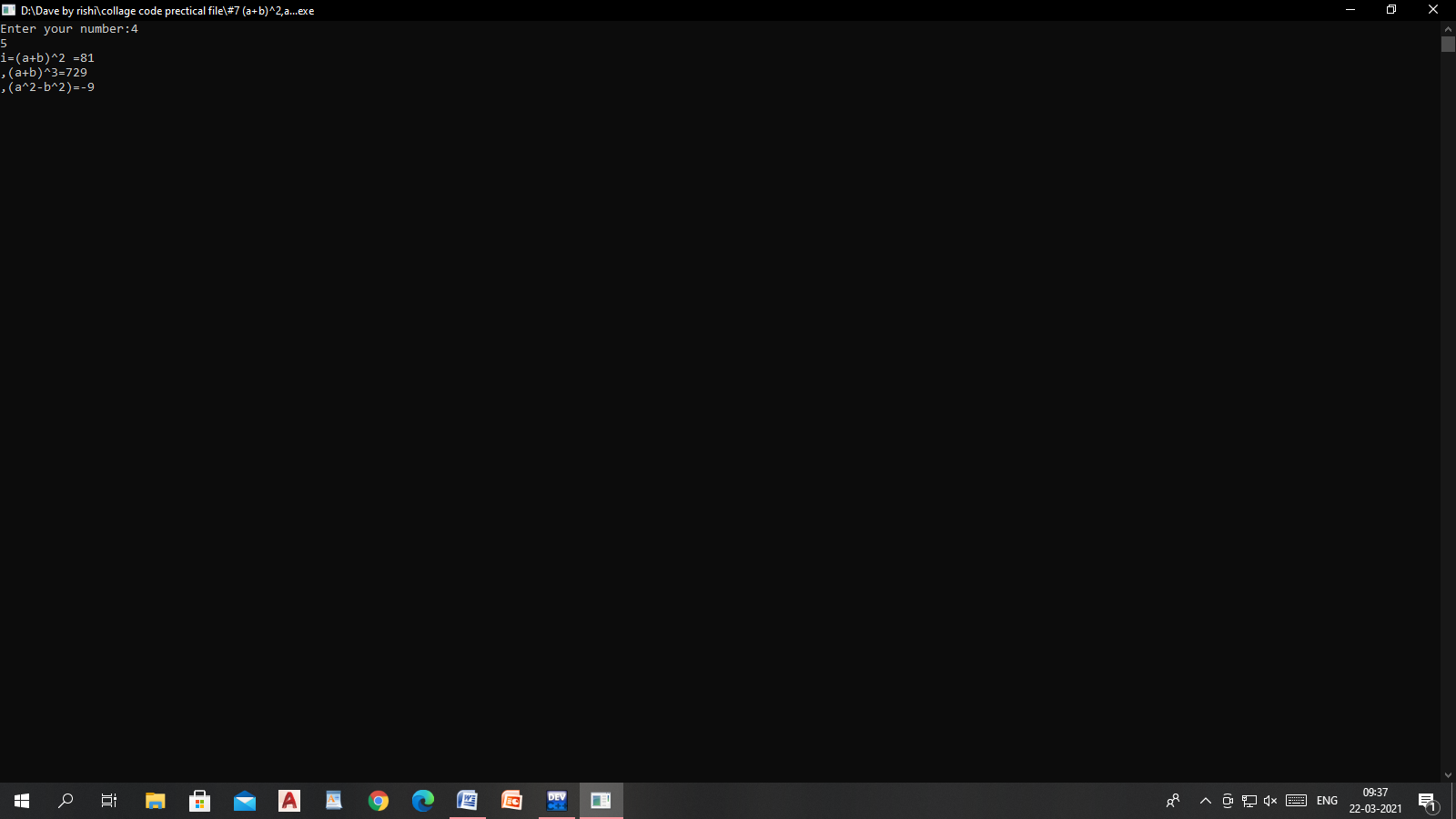
**B=(a+b)\*(a+b)\*(a+b);**

**C=(a\*a-b\*b);**

**printf("i=(a+b)^2 =%d\n,(a+b)^3=%d\n,(a^2-b^2)=%d\n",A,B,C);**

**getch();**

**}**

****

***Question-8***

***/\*…..WAP to find circumference of a circle………\*/***

**#include<stdio.h>**

**int main()**

**{**

**int r;**

**float c;**

**printf("Enter radius of the circle:");**

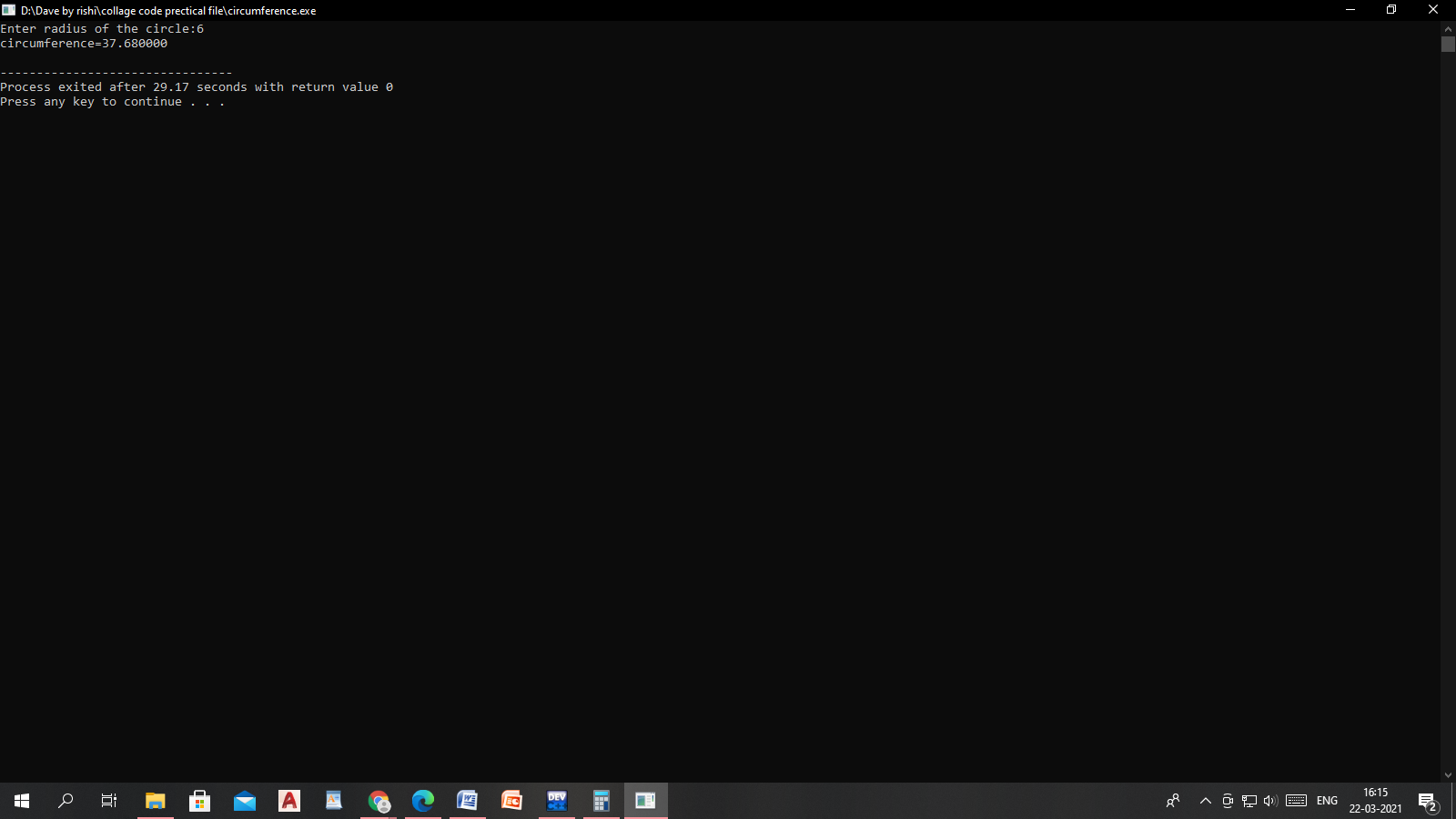
**scanf("%d",&r);**

**c=2\*3.14\*r;**

**printf("circumference=%f\n",c);**

**return 0;**

**}**

****

Question-9

**/\*...WAP to swap 2 no’s by using a third variable....\*/**

**#include<stdio.h>**

**int main()**

**{**

**int c,a,b;**

**printf("Enter your number:a,b");**

**scanf("%d%d",&a,&b);**

**c=a;**

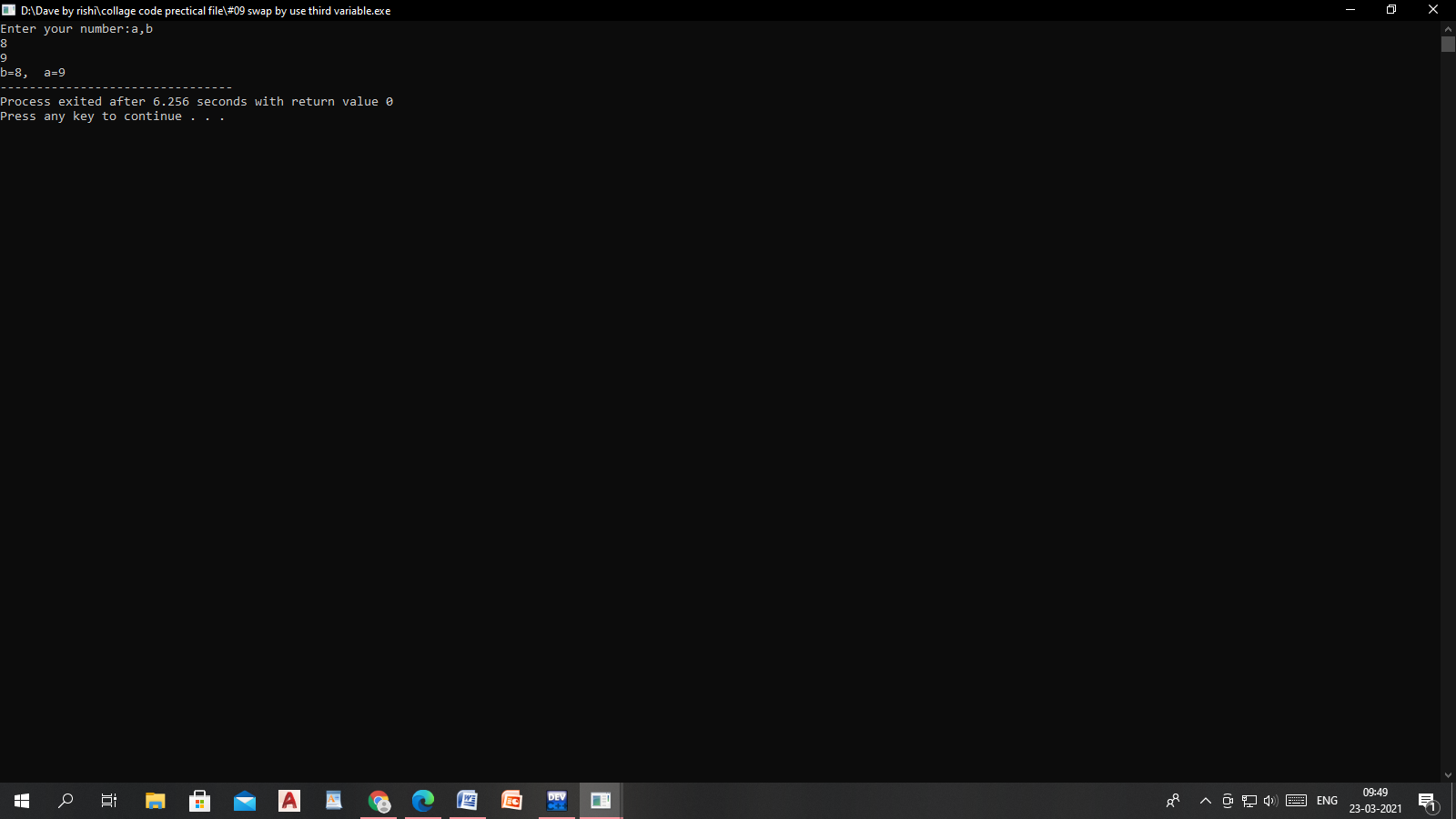
**a=b;**

**b=c;**

**printf("b=%d, a=%d",b,a);**

**return 0;**

**}**

****

Question-10

/\*…WAP to swap 2 no’s without using a third variable…..\*/

#include<stdio.h>

int main()

{

int a,b;

printf("Enter your number:a,b");

scanf("%d%d",&a,&b);

a=a+b;

b=a-b;

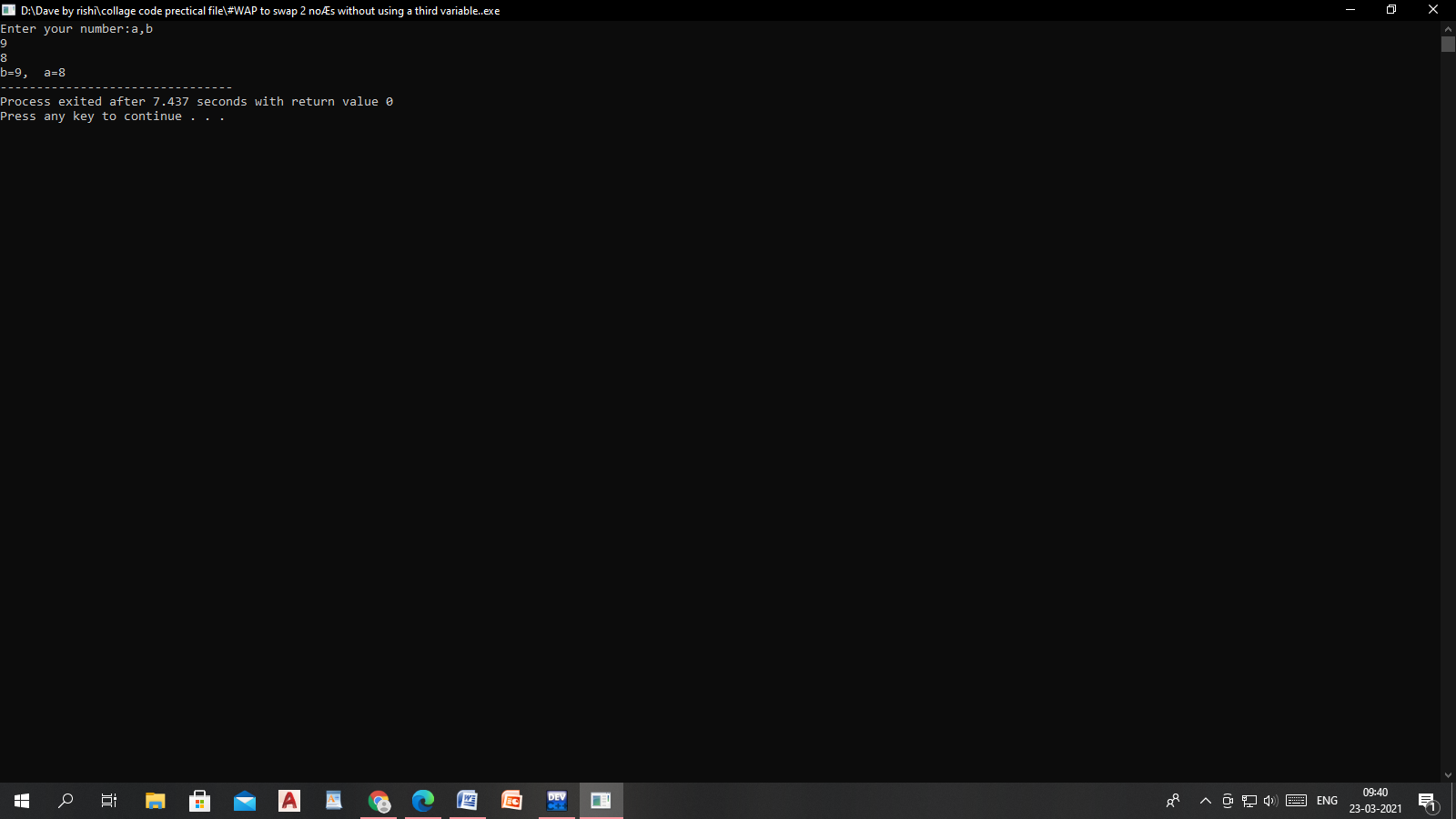
a=a-b;

printf("b=%d, a=%d",b,a);

return 0;

}

Output:-



**Question-11**

**/\*..WAP to convert temperature from "degree Celsius to Fahrenheit” and vice-versa. Use the formula. ...\*/**

**#include<stdio.h>**

**int main()**

**{**

**float tC,tF;**

**printf("Enter your temprature in degree Fahrenheit:\n");**

**scanf("%f",&tC);**

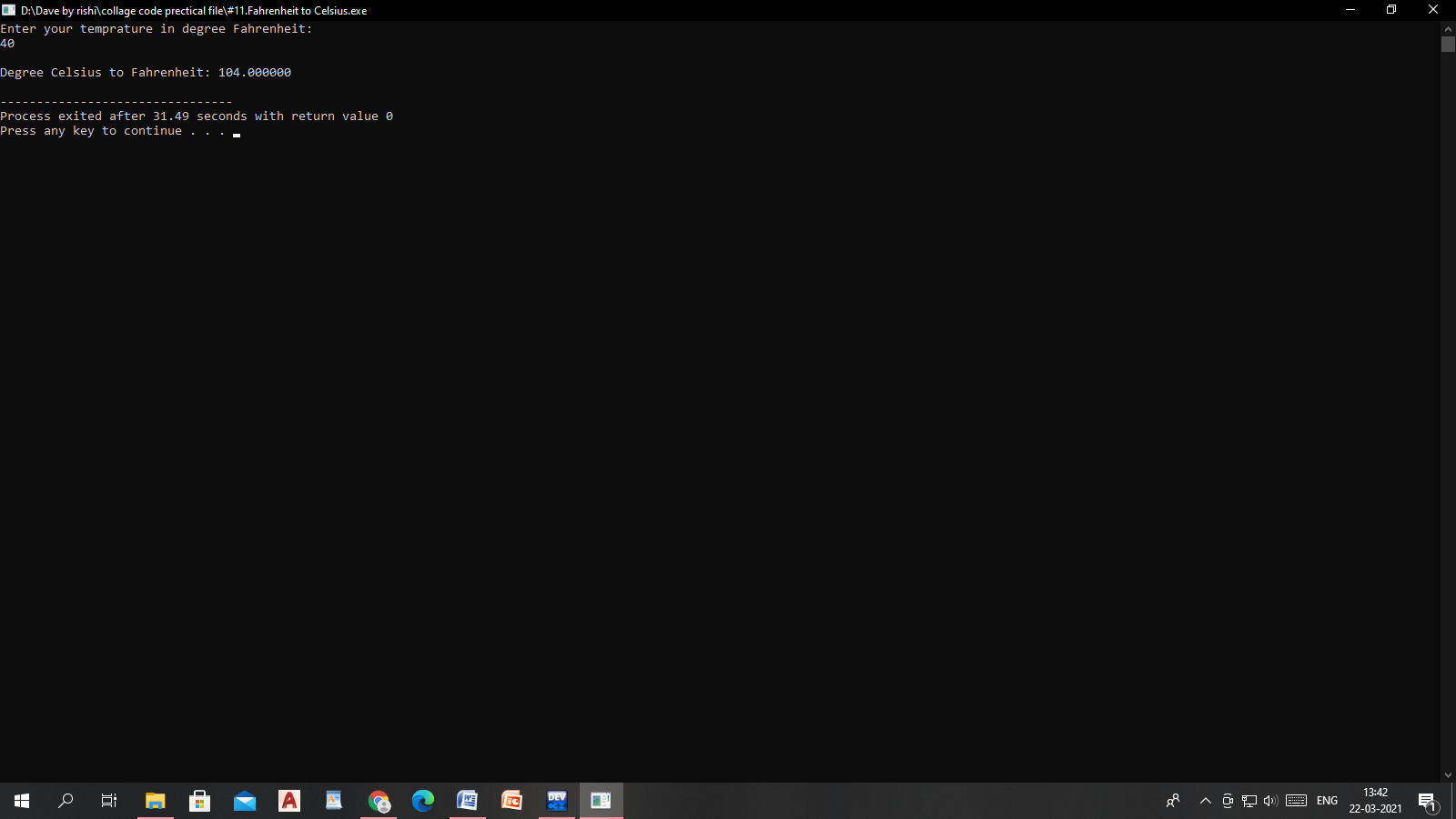
**tF=(tC\*9/5)+32.0;**

**printf("\nDegree Celsius to Fahrenheit: %f\n",tF);**

**return 0;**

**}**

**Output:-**

****

***Question-12***

/\*…. WAP to calculate the Gross Salary of an employee. Assume Gross Salary=Basic Salary+DA+HRA DA=40% of Basic Salary HRA=20% of Basic Salary....\*/

#include<stdio.h>

int main()

{

int Bs,Gs,Da,Hra;

printf("Enter your Basic salary:");

scanf("%d",&Bs);

Da=Bs\*40/100;

Hra=20\*20/100;

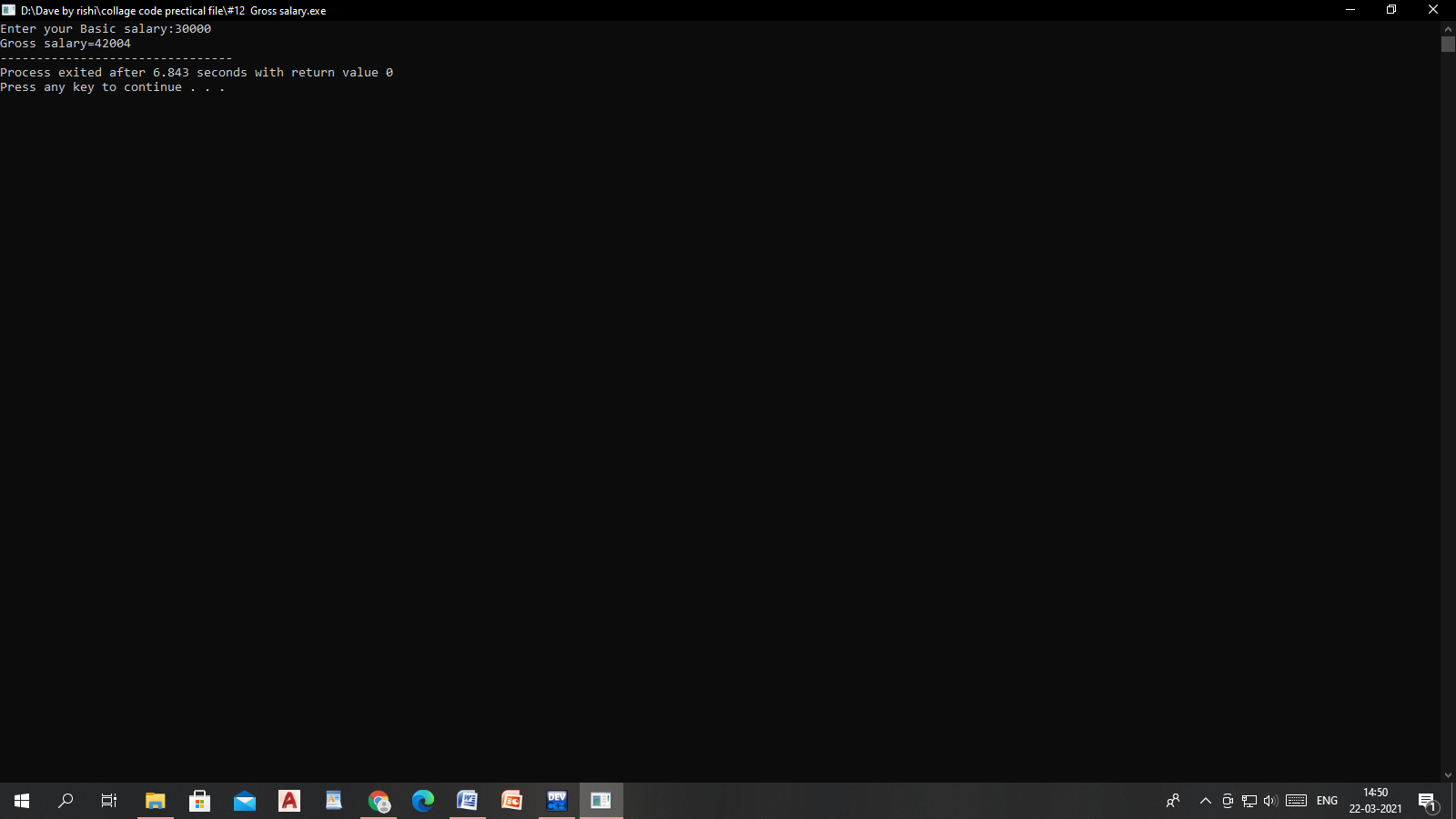
Gs=Bs+Da+Hra;

printf("Gross salary=%d",Gs);

return 0;

}

Output:-



Question-13

/\*…….WAP to find whether a person can vote or not……….\*/

Solution: 1-

#include<stdio.h>

int main(){

int a;

printf("Enter the value of age.\n");

scanf("%d",&a);

if (a>=18)

printf("you are eligble for vote.\n");

else

printf("You are not eligble for vote.");

return 0;

}

Solution: 2-

Expression1? expression2: expression3;

#include <stdio.h>

int main()

{

int age; // variable declaration

printf("Enter your age");

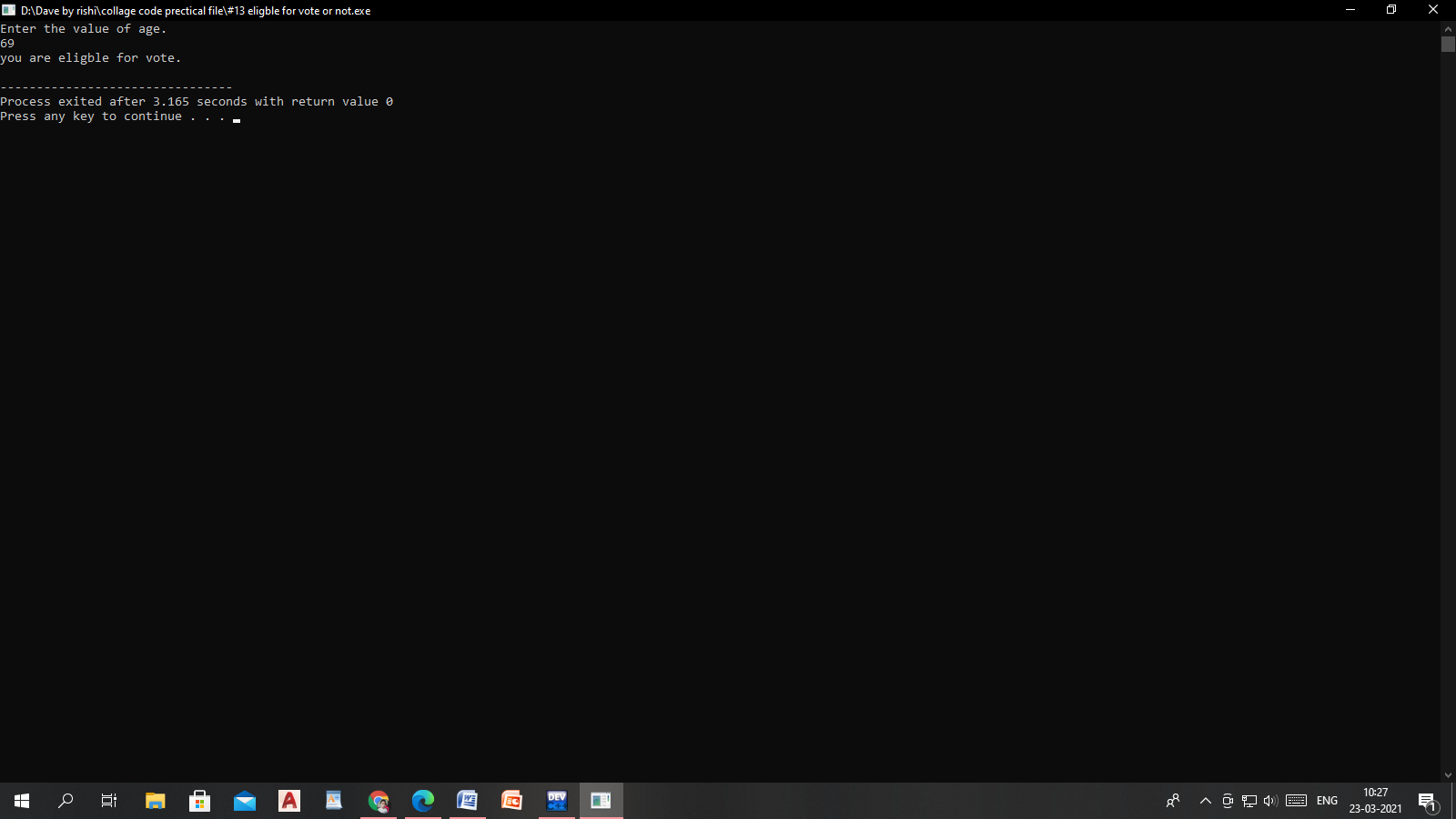
scanf("%d",&age); // taking user input for age variable

(age>=18)? (printf("eligible for voting")) : (printf("not eligible for voting")); // conditional operator

return 0;

}

Output:-



Question-14

/\*...Wap to check given number is even or odd......\*/

Solution 1:-

#include<stdio.h>

#include<conio.h>

void main()

{

int a;

printf("enter the value of a");

scanf("%d",&a);

if(a%2==0)

{

printf("Even number");

}

else

{

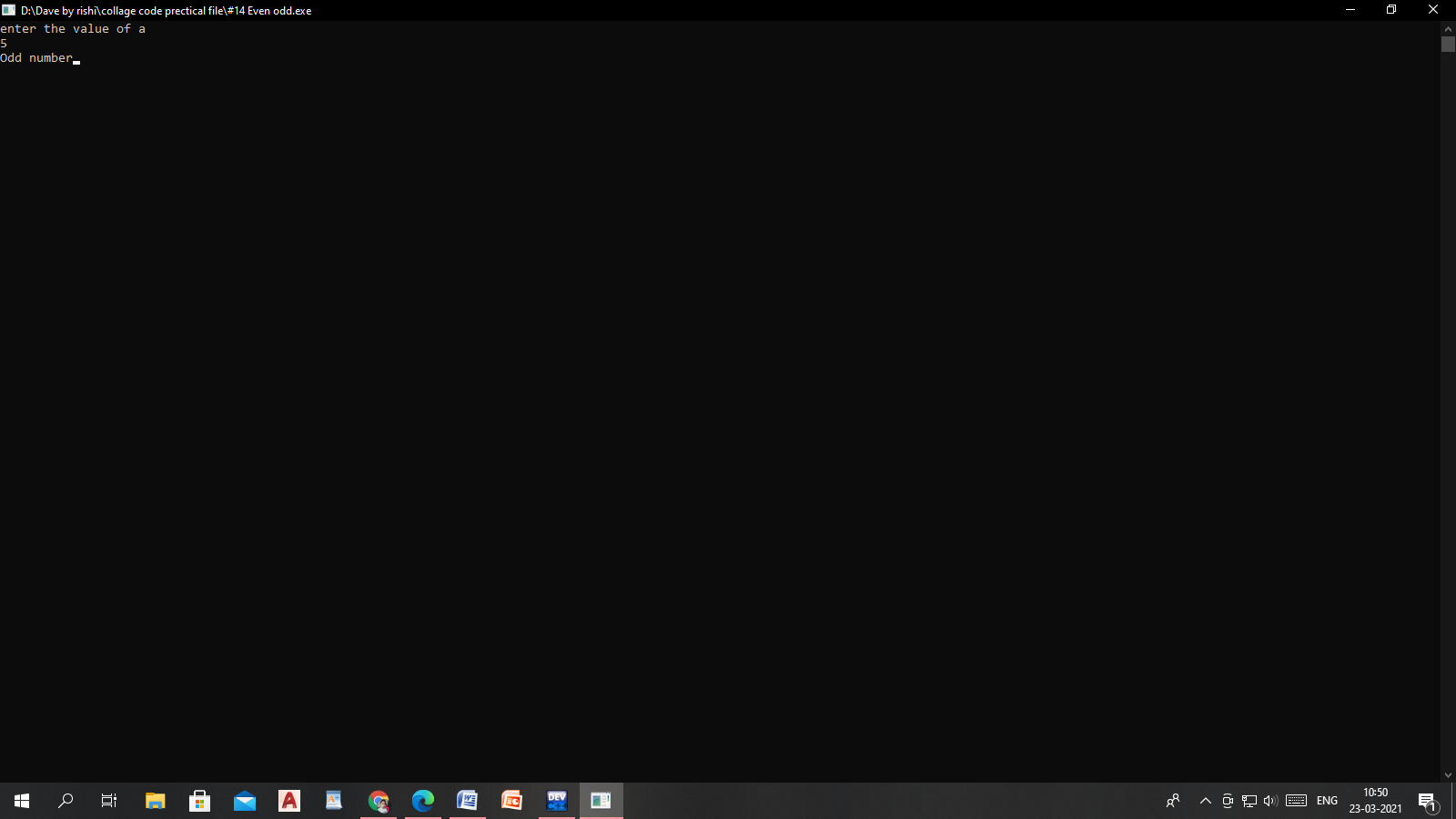
printf("Odd number");

}

getch();

}

Output:-



Question-15

/\*.....WAP to find whether a no is positive or negative......\*/

#include<stdio.h>

#include<conio.h>

void main()

{

int a;

printf("enter the value of a");

scanf("%d",&a);

if (a>0)

{

printf("Number is Positive");

}

else

{

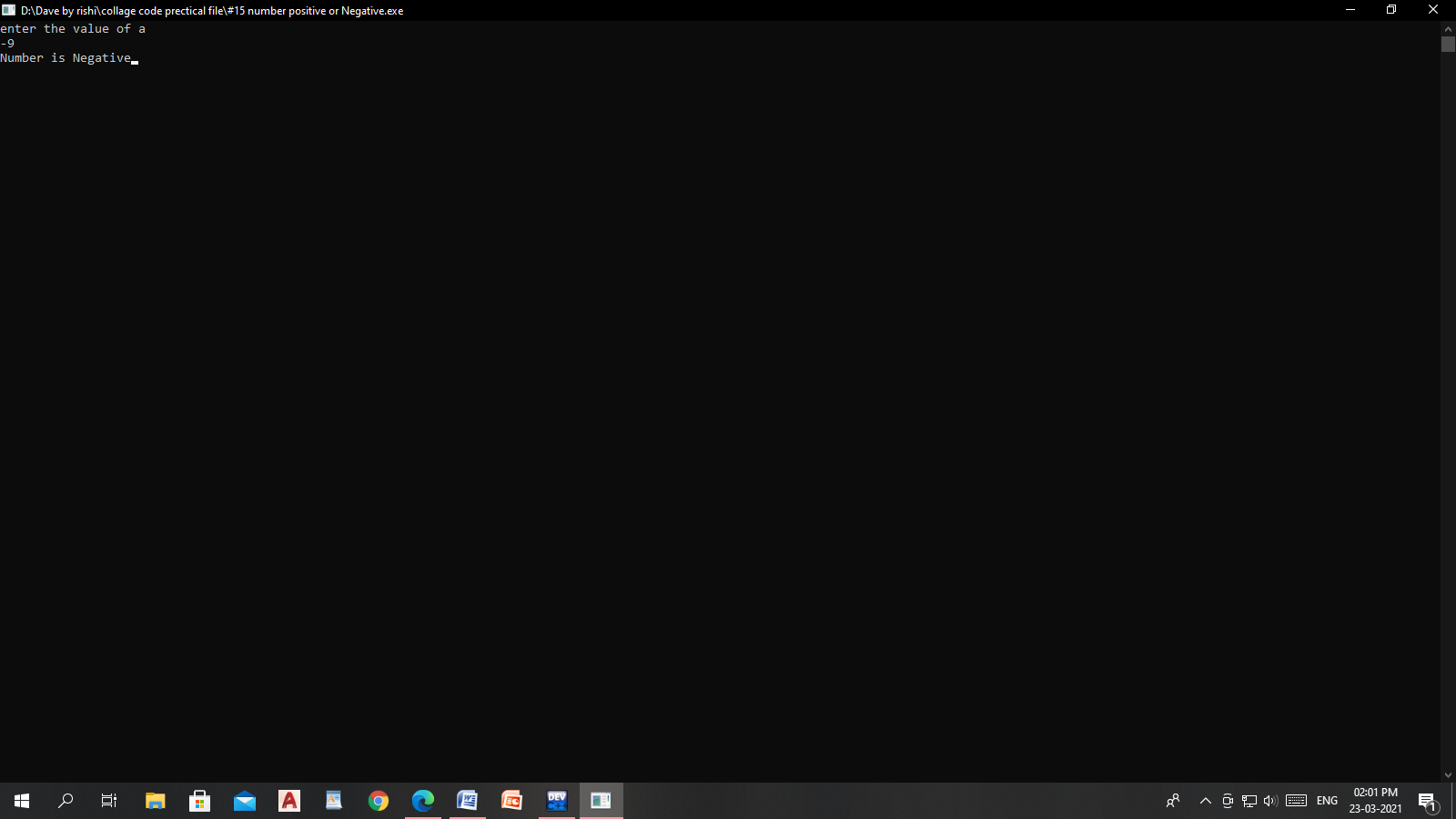
printf("Number is Negative");

}

getch();

}

Output:-



Question-16

/\*.....WAP to enter the %age of a student & print whether he is PASS or

FAIL..........\*/

#include<stdio.h>

#include<conio.h>

void main()

{

int a;

printf("Enter the age:");

scanf("%d",&a);

if(a>=14)

{

printf("You are pass.");

}

else

{

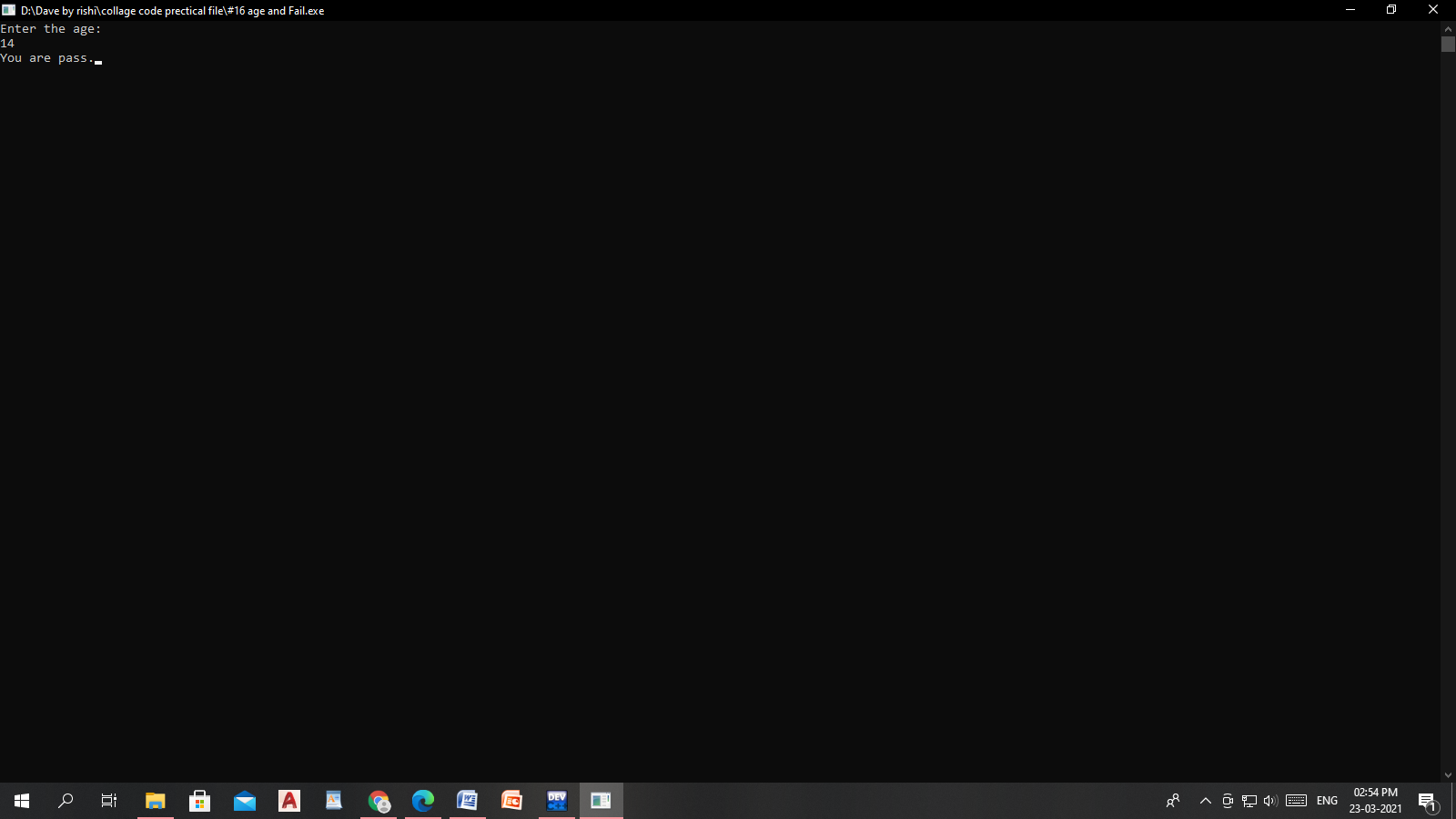
printf("You are Fail.");

}

getch();

}

Output:-



Question: 17

/\*.....Wap to check given year is leap year or not?..........\*/

#include<stdio.h>

#include<conio.h>

void main()

{

int a;

printf("Enter tha value of a");

scanf("%d",&a);

if (a%4==0)

{

printf("This year is Leap Year");

}

else

{

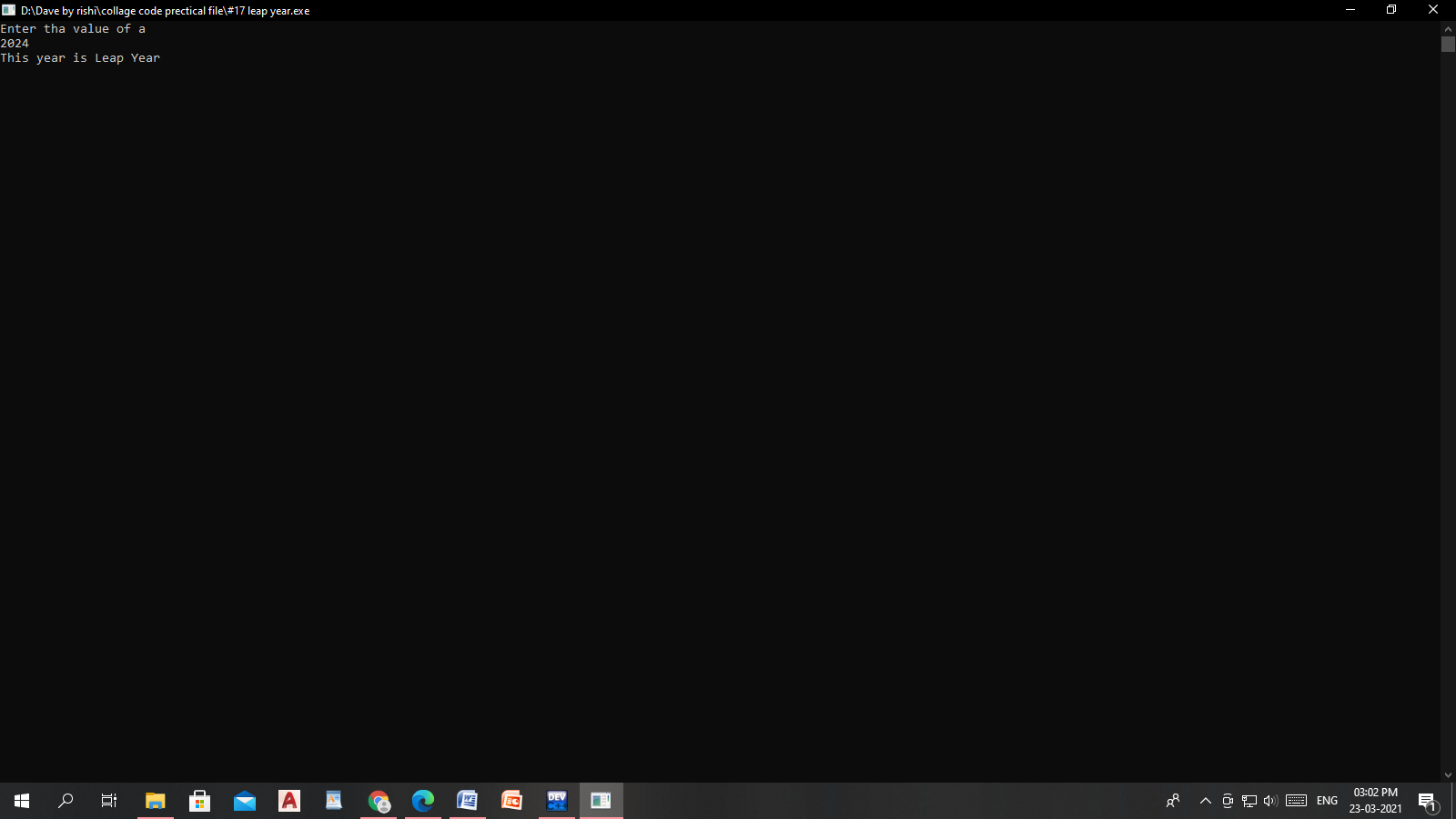
printf("This is not Leap Year");

}

getch();

}

Output:-



Question:-18

/\*….WAP to show the use of conditional operator (Greater among two numbers)…\*/

#include<stdio.h>

#include<conio.h>

void main()

{

int a,k,b;

printf("enter the value of a");

scanf("%d%d",&a,&b);

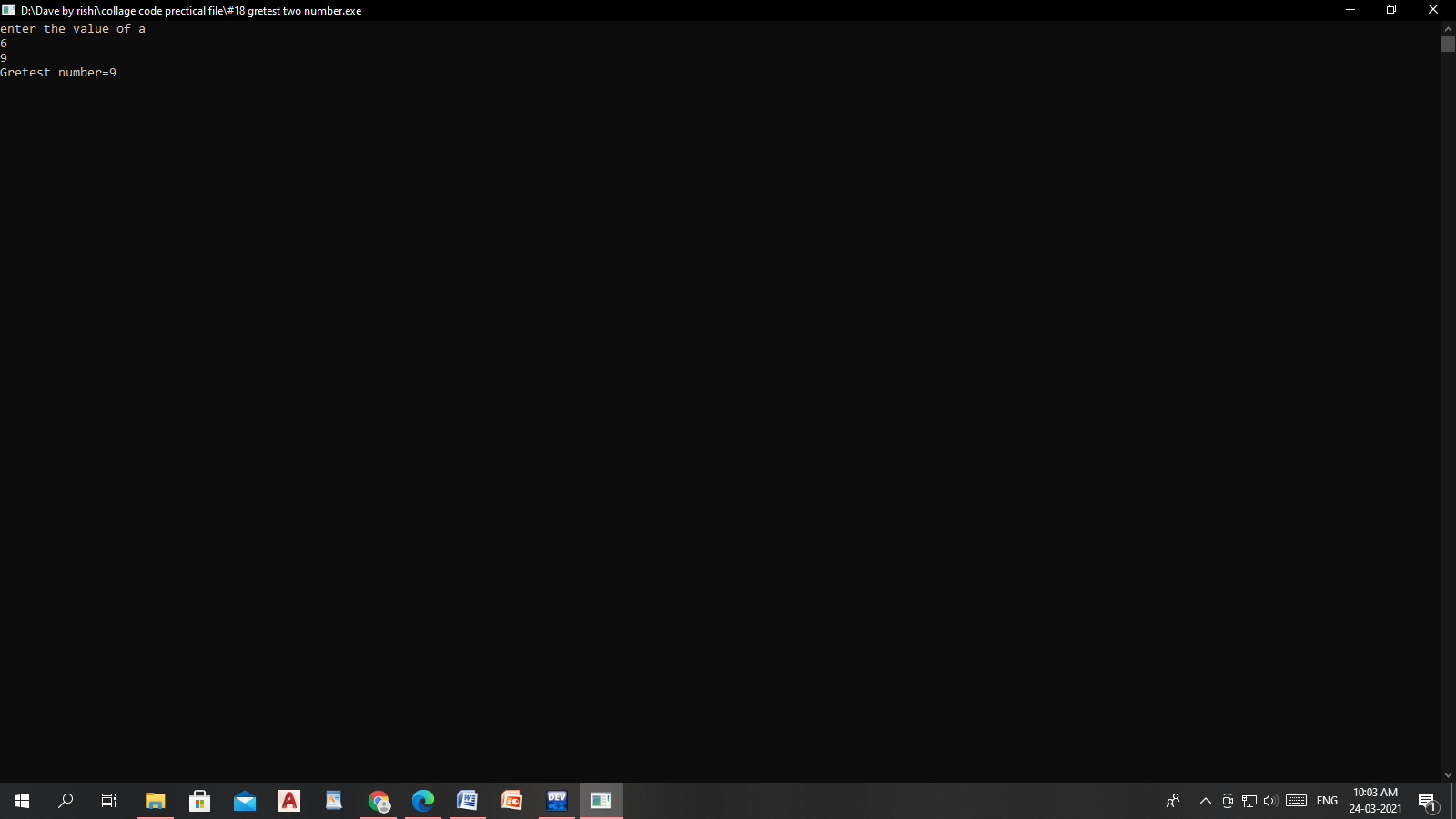
k=a>b?a:b;

printf("Gretest number=%d",k);

getch();

}

Output:-



Question:-19

/\*.....WAP to check whether the given number is even or odd (By using

Conditional operator..\*/

Solution:-1

#include<stdio.h>

int main()

{

int a,b;

printf("Enter the value of a");

scanf("%d",&a);

(a%2==0)?printf("Even number"):printf("Odd number");

return 0;

}

Solution:-2

#include<stdio.h>

int main()

{

int a;

printf("enter the value of a");

scanf("%d",&a);

if(a%2==0)

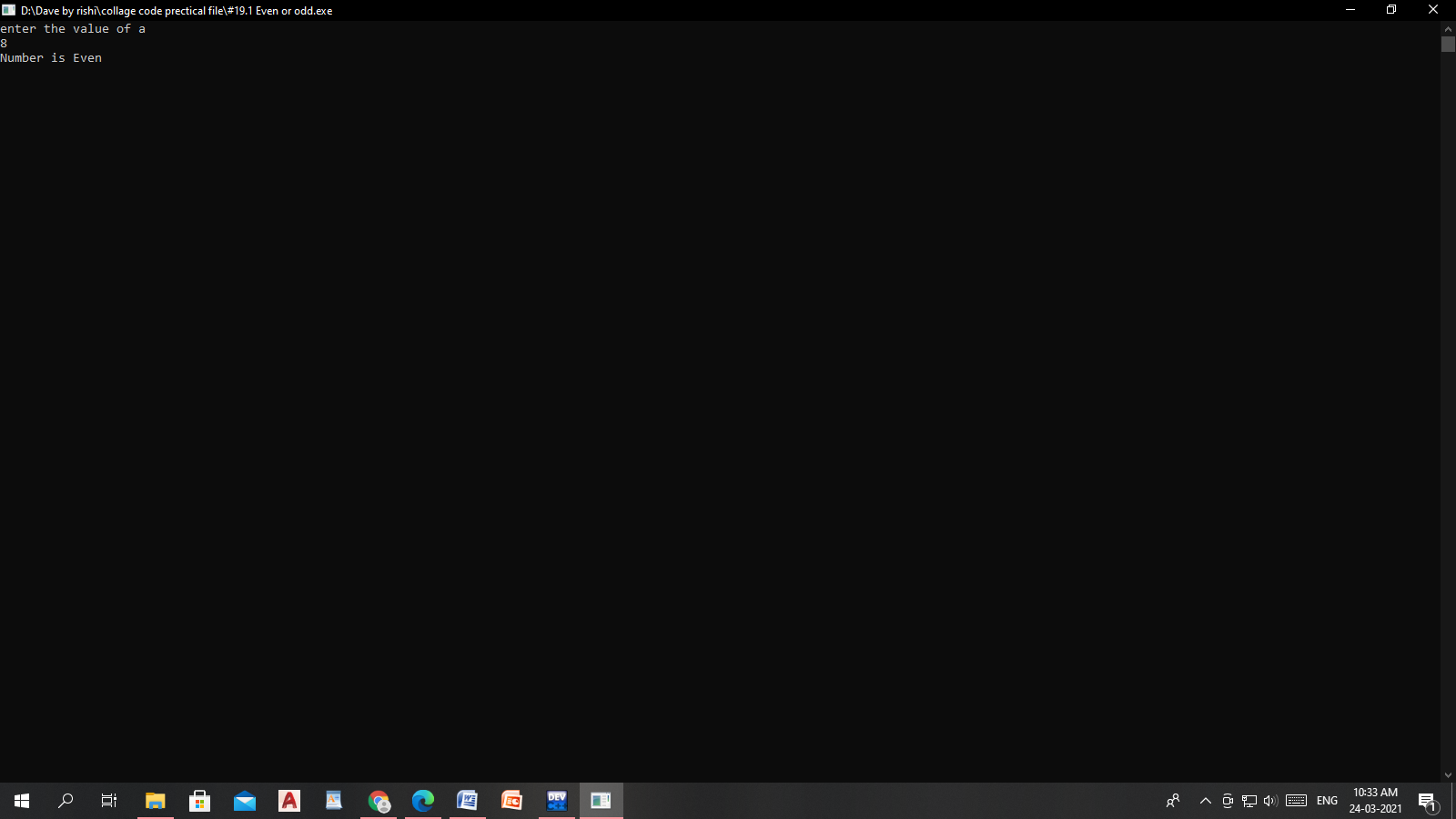
printf("Number is Even");

else

printf("Number is Odd");

return 0;

} output:-



Question-20

/\*……..WAP to print the largest of three numbers. …..\*/

#include<stdio.h>

#include<conio.h>

int main(){

int k,a,b,c;

printf("Enter your number:");

scanf("%d%d%d",&a,&b,&c);

if(a>b)

{

if(a>c)

k=a

else

k=c;

}

else

{

if(b>c)

k=b;

else

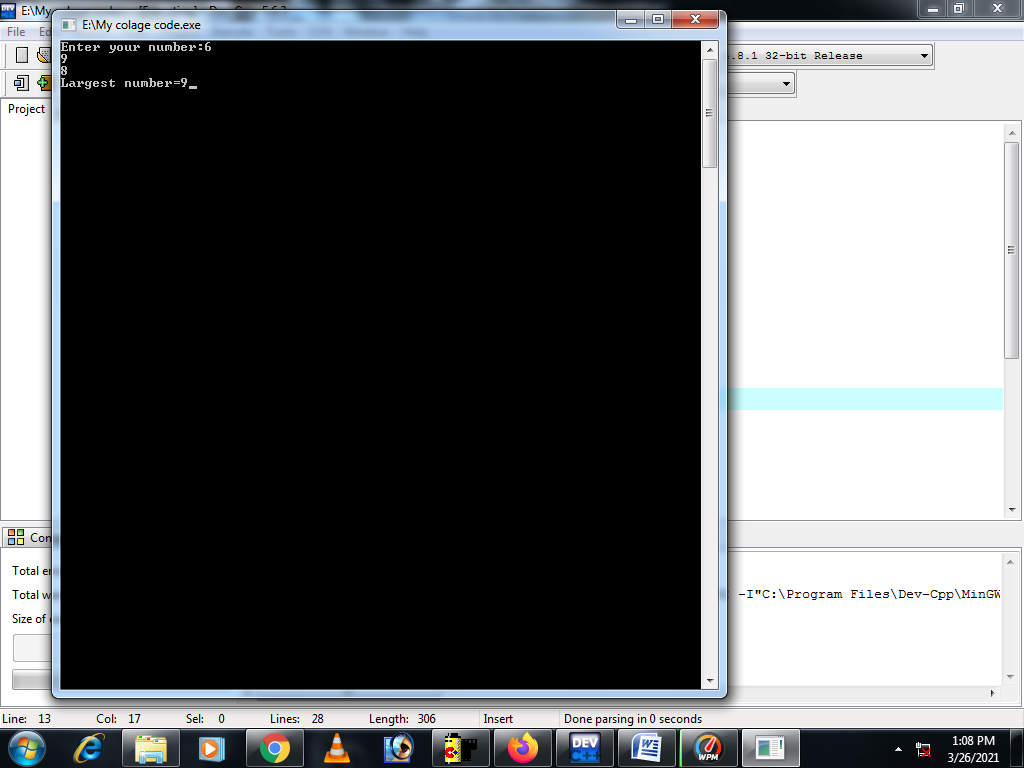
k=c;

}

printf("Largest number=%d",k);

getch(); }

Solution 2:-



Question-21

/\*.......WAP to calculate the percentage of a student in 5 subjects and

then find his grade accordingly.............\*/

#include<stdio.h>

#include<conio.h>

int main()

{

int s1,s2,s3,s4,s5;

float p;

printf("Enter your number .\n1: Math.\n2: C programing.\n3: B.C \n4 P.M \n5 C.F.\n");

scanf("%d%d%d%d%d",&s1,&s2,&s3,&s4,&s5);

p=(s1+s2+s3+s4+s5)/5;

printf("Total Parsent is =%f\n",p);

if(p>=80 && p<100)

printf("Gread A");

else if(p>=70 && p<80)

printf("Gread B");

else if(p>=60 && p<70)

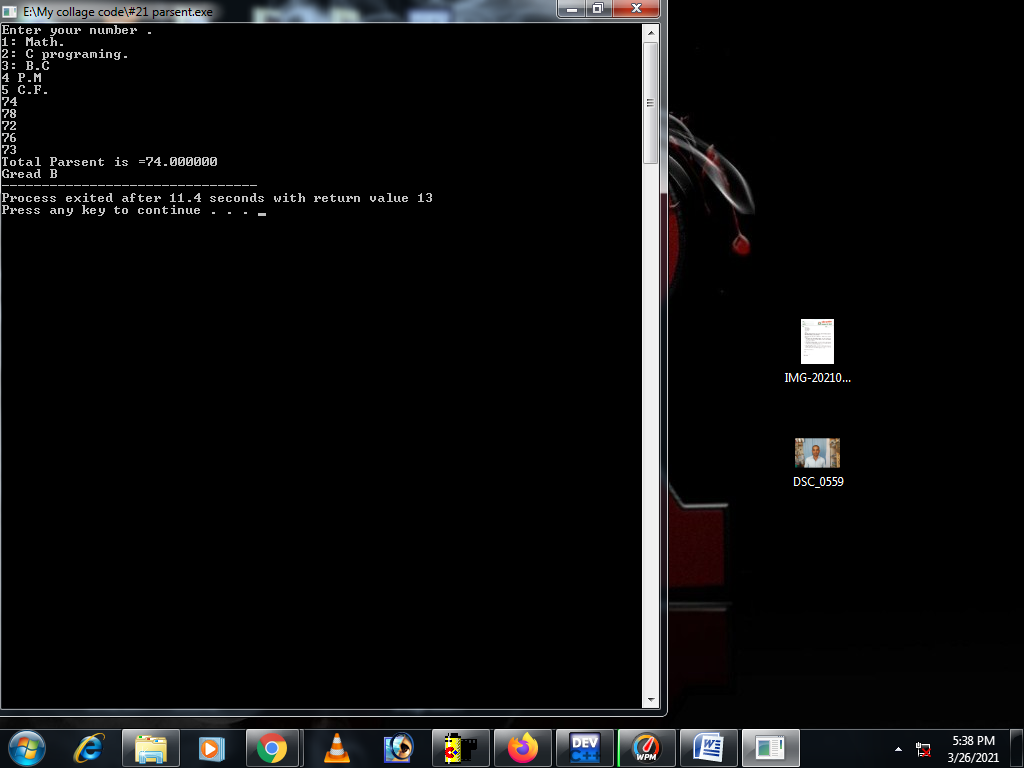
printf("Gread C");

else if(p>50 && p<70)

printf("Gread D");

else if(p>33 && p<50)

printf("Gread E");

 else

printf("You are Fail."

getch();

}

Question:-22

/\*…WAP to calculate the Gross Salary of an employee.

Assume:

|  |  |  |
| --- | --- | --- |
| BASIC SALARY | DA | HRA |
| bs<1500 | 90% of Basic Salary | 10% of Basic Salary |
| bs>=1500 | 98% of Basic Salary | 98% of Basic Salary |

………….\*/

#include<stdio.h>

int main() {

int basic;

float gross\_salary,da,hra;

printf("Enter basic salary : ");

scanf("%d", &basic);

if(basic<1500)

{

da = (90 \* basic) / 100;

hra = (10 \* basic) / 100;

}

else if(basic>=1500)

{

da = (98\* basic) / 100;

hra = 500;

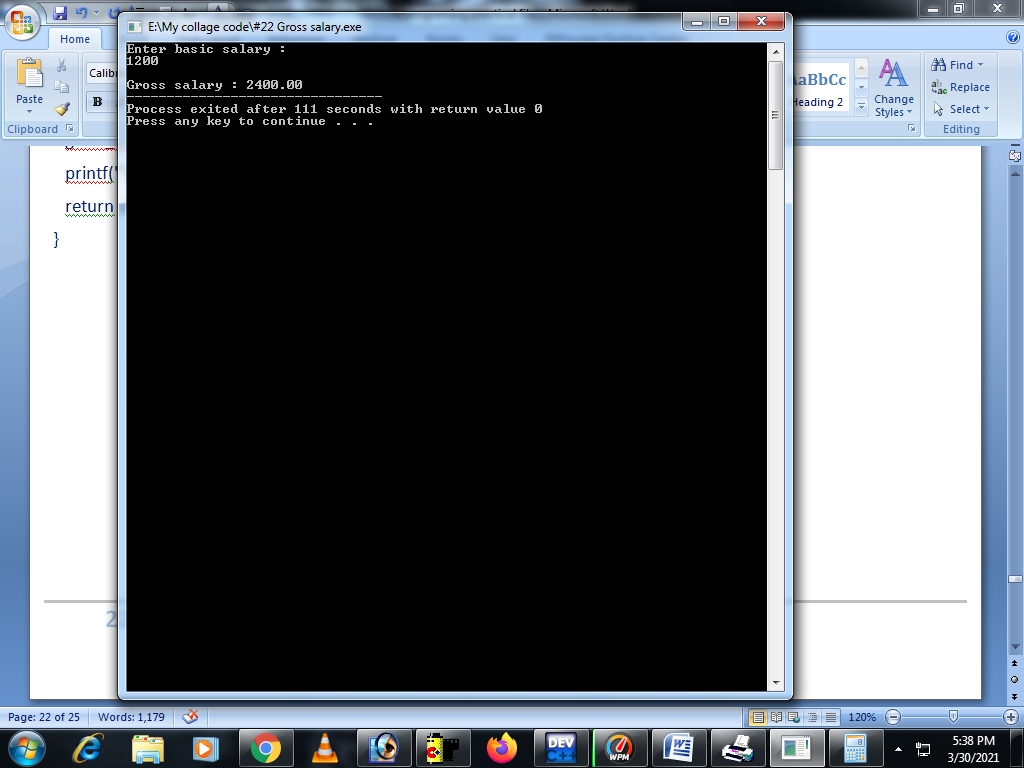
}

gross\_salary = basic + da + hra;

printf("\nGross salary : %.2f", gross\_salary);

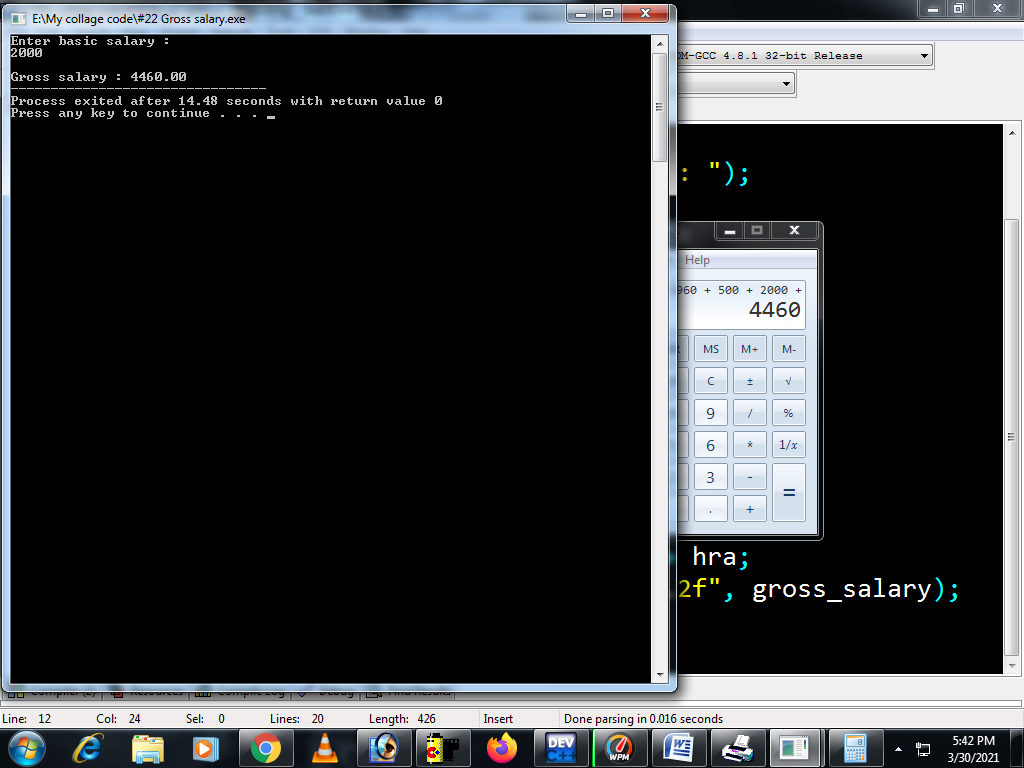
return (0);

}



Output :2

Output :1



Question:-23

/\*....WAP to display days of week i.e. Monday to Sunday using switch case statement.....\*/

#include<stdio.h>

#include<conio.h>

void main()

{

int choice;

printf("Enter your choice.\n1:M\n2:T\n3:W.\n4:T\n5:F\n6:Sa.\n7:Su.\n");

scanf("%d",&choice);

switch(choice)

{

case 1:

printf("\n Monday");

break;

case 2:

printf("\n Tuesday");

break;

case 3:

printf("\n Wednesday");

break;

case 4:

printf("\n Thursday");

break;

case 5:

printf("\n Friday");

break;

case 6:

printf("\n Saturday");

break;

case 7:

printf("\n Sunday\n");

break;

default:

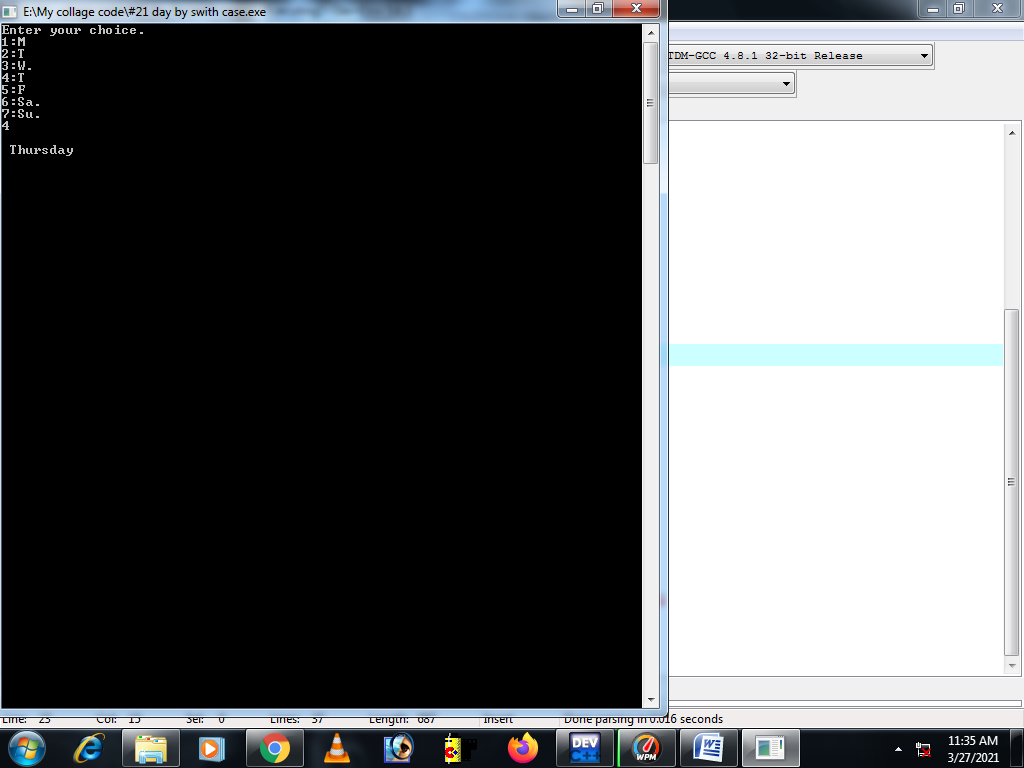
printf("Please Enter Correct Value");

}

getch();

Output:-

}



Question:24

#include<stdio.h>

int main()

{

int choise,n,sum=0;

float a,b;

printf("Enter your choise:\n1:add.\n2:subtrect.\n3:multiplication.\n4:division.\n");

scanf("%d",&choise);

switch(choise)

{

case 1:

do

{

printf("Enter your number:");

scanf("%d",&n);

sum+=n;

}while(n!=0);

printf("Total add=%d",sum);

break;

case 2:

printf("Enter your number:");

scanf("%f%f",&a,&b);

printf("a-b=%f\n", a-b);

break;

case 3:

printf("Enter your number:");

scanf("%f%f",&a,&b);

printf("a\*b=%f\n" ,a\*b);

break;

case 4:

printf("Enter your number:");

scanf("%f%f",&a,&b);

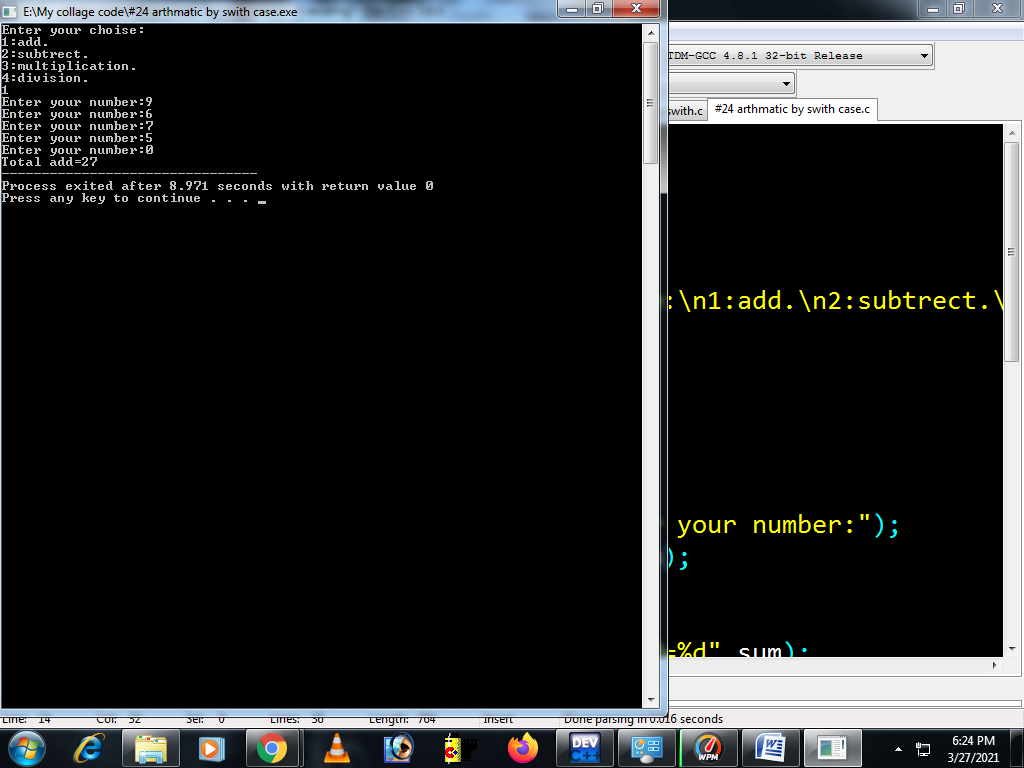
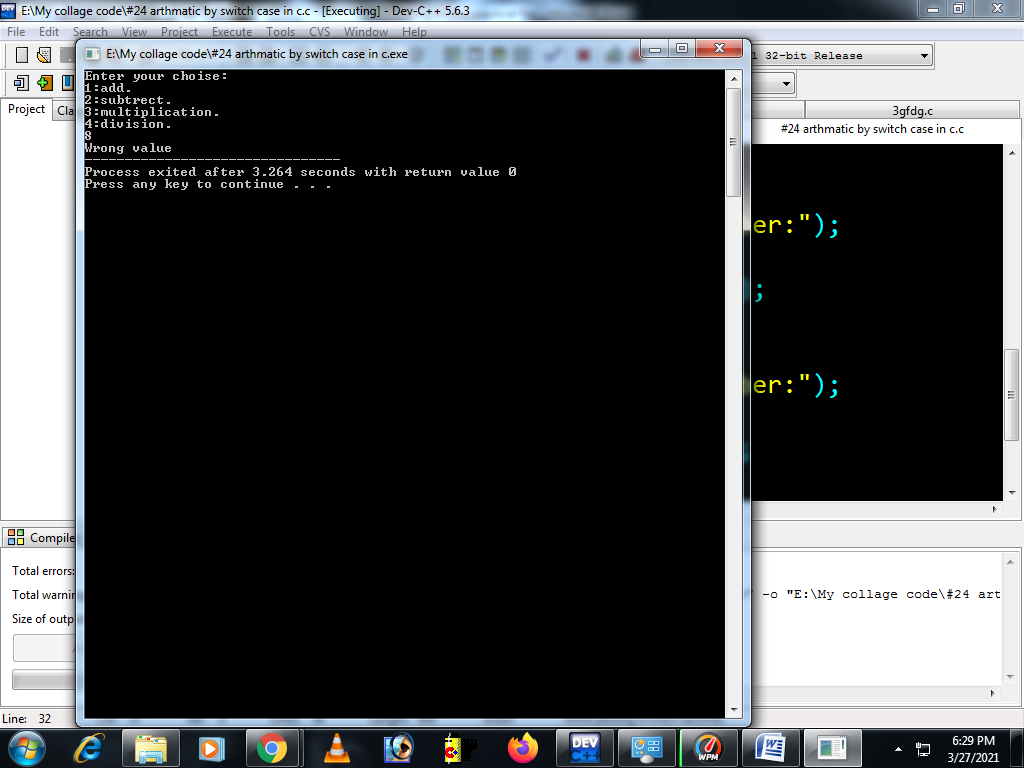
printf("a/b=%f\n",a/b);

break;

}

return 0;

} output:-1 output: 2

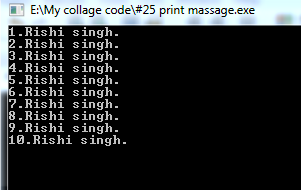


Question:-25

/\*...WAP to print a name a message 10 times....\*/

Output: 1

Solution:-1 by use while loop.

#include<stdio.h>

#include<conio.h>

void main()

{

int i=1;

while(i<=10)

{

printf("%d.Rishi singh.\n",i);

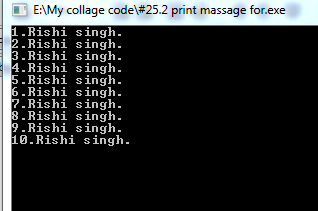
i++;

}

getch();

}

Output: 2

Solution:-2 by use for loop.

#include<stdio.h>

#include<conio.h>

void main()

{

int i;

for(i=1;i<=10;i++)

{

printf("%d.Rishi singh.\n",i);

}

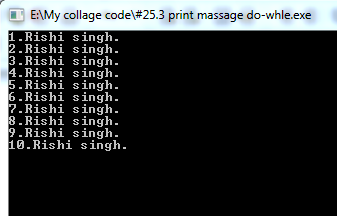
getch();

}

Solution:-3 by use do..While loop.

#include<stdio.h>

Output: 3

#include<conio.h>

void main()

{

int i=1;

do

{

printf("%d.Rishi singh.\n",i);

i++;

}while(i<=10);

getch();

}

Question:-26

/\*..WAP to print first 10 natural nos...\*/

Solution:-1 by use while loop.

#include<stdio.h>

#include<conio.h>

void main()

{

int i=1;

do

{

printf("\n %d",i);

i++;

}while(i<=10);

getch();

}Solution:-2 by use for loop.

#include<stdio.h>

#include<conio.h>

void main()

{

int i;

for(i=1;i<=10;i++)

{

printf("\n %d",i);

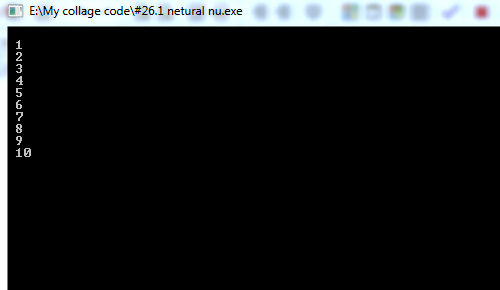
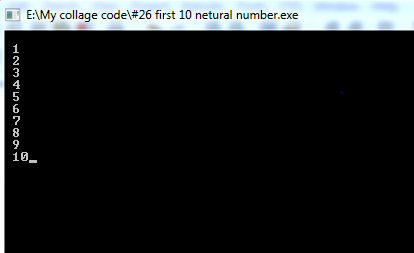
}

getch();

}

Output: 1

Output: 2



Question:-27

/\*…WAP to print first N natural numbers and their sum...\*/

#include<stdio.h>

#include<conio.h>

void main()

{

int i,n,sum;

printf("Enter your number:\n");

scanf("%d",&n);

for(i=1;i<=n;i++)

{

printf("\n %d\n",i);

}

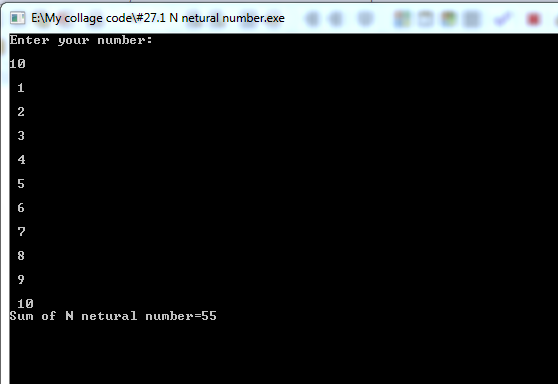
sum=((n+1)\*n)/2;

printf("Sum of N netural number=%d",sum);

getch();

}

Output:



Question:-28

/\*..WAP to calculate SI for 3 sets of p, n & r...\*/

#include<stdio.h>

int main()

{

int p,r,t,int\_amt;

printf("Input principle, Rate of interest & time to find simple interest:\n");

scanf("%d%d%d",&p,&r,&t);

int\_amt=(p\*r\*t)/100;

printf("Simple interest = %d",int\_amt);

return 0;

}

Output:-

