

File Edit Selection View Go Run Terminal Help

Q1.c - Untitled (Workspace) - Visual Studio Code

EXPLORER

OPEN EDITORS

Q1.c

covidhelp.html

oxygen.css 1

coividhelp.css

UNTITLED (WORKSPACE)

c coding class

a.exe

Q1.c

html learning

img

advance.css

advanceCSS.html

as.jpg

bus.jpg

covd.jpg

cssbutton.html

cssform.html

csshtml.html

cv.jpg

download.jpg

dr.jpg.png

drs.jpg

emoji.jpg

er.jpg

form.css

OUTLINE

Q1.c

c coding class > Q1.c

```
1 //WAP to swap two variables using third variable.
2
3 #include <stdio.h>
4 int main()
5 {
6 int x=2,y=3,z;
7 x=z;
8 z=y;
9 printf("now value of x = %d",z);
10 return 0;
11 }
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

1: powershell

PS H:\c coding class> gcc Q1.c
PS H:\c coding class> .\a.exe
now value of x = 3
PS H:\c coding class>

Ln 11, Col 1 Spaces: 4 UTF-8 CRLF C Go Live

Type here to search

ENG IN 15:28 04-05-2021

File Edit Selection View Go Run Terminal Help

Q2.c - Untitled (Workspace) - Visual Studio Code

EXPLORER

OPEN EDITORS

Q2.c c coding class

Q1.c c coding class

covidhelp.html ht...

# oxygen.css html le...

# coividhelp.css ht...

UNTITLED (WORKSPACE)

c coding class

a.exe

Q1.c

Q2.c

html learning

img

advanced.HTML

basic.css

basic.html

canvas.html

coividhelp.css

covidhelp.html

htmlforms.html

htmlwithcss.html

imgslidee.css

oxygen.css

SVG.html

web.html

OUTLINE

Q2.c

Q1.c

covidhelp.html

# oxygen.css

# coividhelp.css

c coding class > Q2.c

```
1 // WAP to swap two variables without using third variable.
2
3 #include<stdio.h>
4 int main()
5 {
6 int a=10, b=20;
7 a=a+b;
8 b=a-b;
9 a=a-b;
10 printf("After swap a=%d b=%d",a,b);
11 return 0;
12 }
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: powershell

PS H:\c coding class> gcc Q2.c
PS H:\c coding class> .\a.exe
After swap a=20 b=10
PS H:\c coding class>

Ln 10, Col 9 Spaces: 4 UTF-8 CRLF C Go Live

Type here to search

ENG IN 15:50 04-05-2021

File Edit Selection View Go Run Terminal Help

Q3.c - Untitled (Workspace) - Visual Studio Code

EXPLORED

OPEN EDITORS

Q3.c c coding class

covidhelp.html ht...

# oxygen.css html le...

# coividhelp.css ht...

UNTITLED (WORKSPACE)

c coding class

a.exe

Q1.c

Q2.c

Q3.c

html learning

img

advanced.HTML

# basic.css

basic.html

canvas.html

# coividhelp.css

covidhelp.html

htmlforms.html

htmlwithcss.html

# imgslidee.css

# oxygen.css

SVG.html

web.html

OUTLINE

Q3.c

c coding class > Q3.c

```
1 // Q3. WAP to find the area of a triangle.
2
3 #include<stdio.h>
4 int main()
5 {
6     int length = 30;
7     int breadth = 50;
8     int area;
9     area = (length*breadth)/2;
10    printf("area of triangle is %d",area);
11    return 0;
12
13 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

2: powershell

Windows PowerShell

Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS H:\c coding class> gcc Q3.c

PS H:\c coding class> .\a.exe

area of triangle is 750

PS H:\c coding class>

Ln 11, Col 14 Spaces: 4 UTF-8 CRLF C Go Live

0 0 0

Type here to search

16:10 04-05-2021

File Edit Selection View Go Run Terminal Help

Q4.c - Untitled (Workspace) - Visual Studio Code

EXPLORER

OPEN EDITORS

Q3.c c coding class

Q4.c c coding class

covidhelp.html ht...

oxygen.css html le...

coividhelp.css ht...

UNTITLED (WORKSPACE)

re.jpg

sa.jpg

staysafe.jpg

staysafeg.jpg

we.jpg

zx.jpg

advanced.HTML

basic.css

basic.html

canvas.html

coividhelp.css

covidhelp.html

htmlforms.html

htmlwithcss.html

imgslidee.css

oxygen.css

SVG.html

web.html

OUTLINE

Q3.c

Q4.c

covidhelp.html

oxygen.css

coividhelp.css

c coding class > Q4.c

```
1 // 4. WAP to find area of a right angle triangle. herons formula A = sqrt( s(s-a)(s-b)(s-c) )
2 // and s = a+b+c2
3
4 #include <stdio.h>
5 #include<math.h>
6 int main()
7 {
8     int a=55,b=60,c=65,formula;
9     int k=a+b+c;
10    int s=k/2;
11    int d,e,f,g;
12    d = s-a;
13    e = s-b;
14    f = s-c;
15    g= s*d*e*f;
16    formula = sqrt(g);
17    printf("the area of right angle triangle is %d",formula);
18    return 0;
19 }
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

3: powershell

PS H:\c coding class> gcc Q4.c
PS H:\c coding class> .\a.exe
the area of right angle triangle is 1537
PS H:\c coding class>

Ln 2, Col 4 Spaces: 4 UTF-8 CRLF C Go Live

0 0 0

Type here to search

16:52 04-05-2021



File Edit Selection View Go Run Terminal Help

Q9.c - Untitled (Workspace) - Visual Studio Code

EXPLORER

OPEN EDITORS

covidhelp.html ht...  
X C Q9.c c coding class  
# oxygen.css html le...  
# coividhelp.css ht...

UNTITLED (WORKSPACE)

c coding class

a.exe  
C Q1.c  
C Q2.c  
C Q3.c  
C Q4.c  
C Q8.c  
C Q9.c

html learning

img

# advance.css  
advanceCSS.html  
as.jpg  
bus.jpg  
covid.jpg  
cssbutton.html  
cssform.html  
csshtml.html  
cv.jpg  
download.jpg

OUTLINE

c coding class > C Q9.c

```
1 // Q9. WAP to check the given number is even or odd.
2 #include <stdio.h>
3 int main()
4 {
5     int a;
6     printf("enter the number to check its even or odd\n");
7     scanf("%d",&a);
8     if (a%2 == 0)
9     {
10         printf("even");
11     }
12     else
13     {
14         printf("odd");
15     }
16     return 0;
17 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

3: powershell

enter the number to check its even or odd  
88  
even  
PS H:\c coding class> .\a.exe  
enter the number to check its even or odd  
99  
odd  
PS H:\c coding class>

Ln 10, Col 24 Spaces: 4 UTF-8 CRLF C Go Live

Windows Taskbar

File Edit Selection View Go Run Terminal Help

Q11.c - Untitled (Workspace) - Visual Studio Code

covidhelp.html Q11.c covd.jpg (read-only) oxygen.css coividthelp.css

c coding class > C Q11.c

```
1 // Q11. WAP to check the given number is positive, negative or zero.
2
3 #include<stdio.h>
4 int main()
5 {
6     int a;
7     printf("enter the number to check it +ve , -ve , or zero\n");
8     scanf("%d",&a);
9     if (a>0)
10     {
11         printf("positive");
12     }
13     else if (a<0)
14     {
15         printf("negative");
16     }
17     else if (a == 0)
18     {
19         printf("zero");
20     }
21     return 0;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

3: powershell

```
PS H:\c coding class> .\a.exe
enter the number to check it +ve , -ve , or zero
20
positive
PS H:\c coding class> .\a.exe
enter the number to check it +ve , -ve , or zero
-50
negative
PS H:\c coding class> .\a.exe
enter the number to check it +ve , -ve , or zero
0
zero
PS H:\c coding class>
```

Ln 9, Col 13 Spaces: 4 UTF-8 CRLF C Go Live

0 0 0

Type here to search

ENG IN 18:23 04-05-2021

File Edit Selection View Go Run Terminal Help

Q12.c - Untitled (Workspace) - Visual Studio Code

EXPLORER

> OPEN EDITORS

UNTI...  
c coding class  
html learning  
img  
# advance.css  
advanceCSS.html  
as.jpg  
bus.jpg  
covid.jpg  
cssbutton.html  
cssform.html  
csshtml.html  
cv.jpg  
download.jpg  
dr.jpg.png  
drs.jpg  
emoji.jpg  
er.jpg  
# form.css  
images.png  
# learn.css  
# learn2.css  
learn2css.html  
pro.jpg  
qw.jpg.jpg

> OUTLINE

covidhelp.html

Q12.c

covid.jpg (read-only)

# oxygen.css

# covidhelp.css

c coding class > C Q12.c

```
1 // 12. WAP to check the person is eligible for voting or not ( Condition: Age>18- Eligible).
2 #include<stdio.h>
3 int main()
4 {
5     int a;
6     printf("please enter your age\n");
7     scanf("%d",&a);
8     if (a>=18)
9     {
10         printf("congratulation...! you are eligible to vote");
11     }
12     else
13     {
14         printf("opps....! you are not eligible to vote");
15     }
16     return 0;    }
17
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

4: powershell

please enter your age  
20  
congratulation...! you are eligible to vote  
PS H:\c coding class> .\a.exe  
please enter your age  
15  
opps....! you are not eligible to vote  
PS H:\c coding class>

Ln 11, Col 6 Spaces: 4 UTF-8 CRLF C Go Live

Type here to search

ENG IN 18:38 04-05-2021

FileEditSelectionViewGoRunTerminalHelp

Q13.c - Untitled (Workspace) - Visual Studio Code

covidhelp.htmlQ13.ccovd.jpg (read-only)oxygen.csscovidhelp.css

c coding class > Q13.c

```
1 // Q13. Find the basic salary of an employee where DA is 40% of basic salary and hra is 20% of basic
2 // salary .and basic salary is entered by the user.
3 // Gross Salary = Basic + HRA + DA
4 // Basic = Gross salary - DA - HRA
5 #include<stdio.h>
6 int main()
7 {
8     int basicSalary;
9     int grosspay;
10    int DA = (40*basicSalary)/100;
11    int hra = (40*basicSalary)/100;
12    printf("please enter your basic salary\n");
13    scanf("%d",&basicSalary);
14
15    grosspay = basicSalary+DA+hra;
16    printf("your grosspay is %d",grosspay);
17    return 0; }
```

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

4: powershell

PS H:\c coding class> .\a.exe  
please enter your basic salary  
5000000  
your grosspay is 8360038  
PS H:\c coding class>

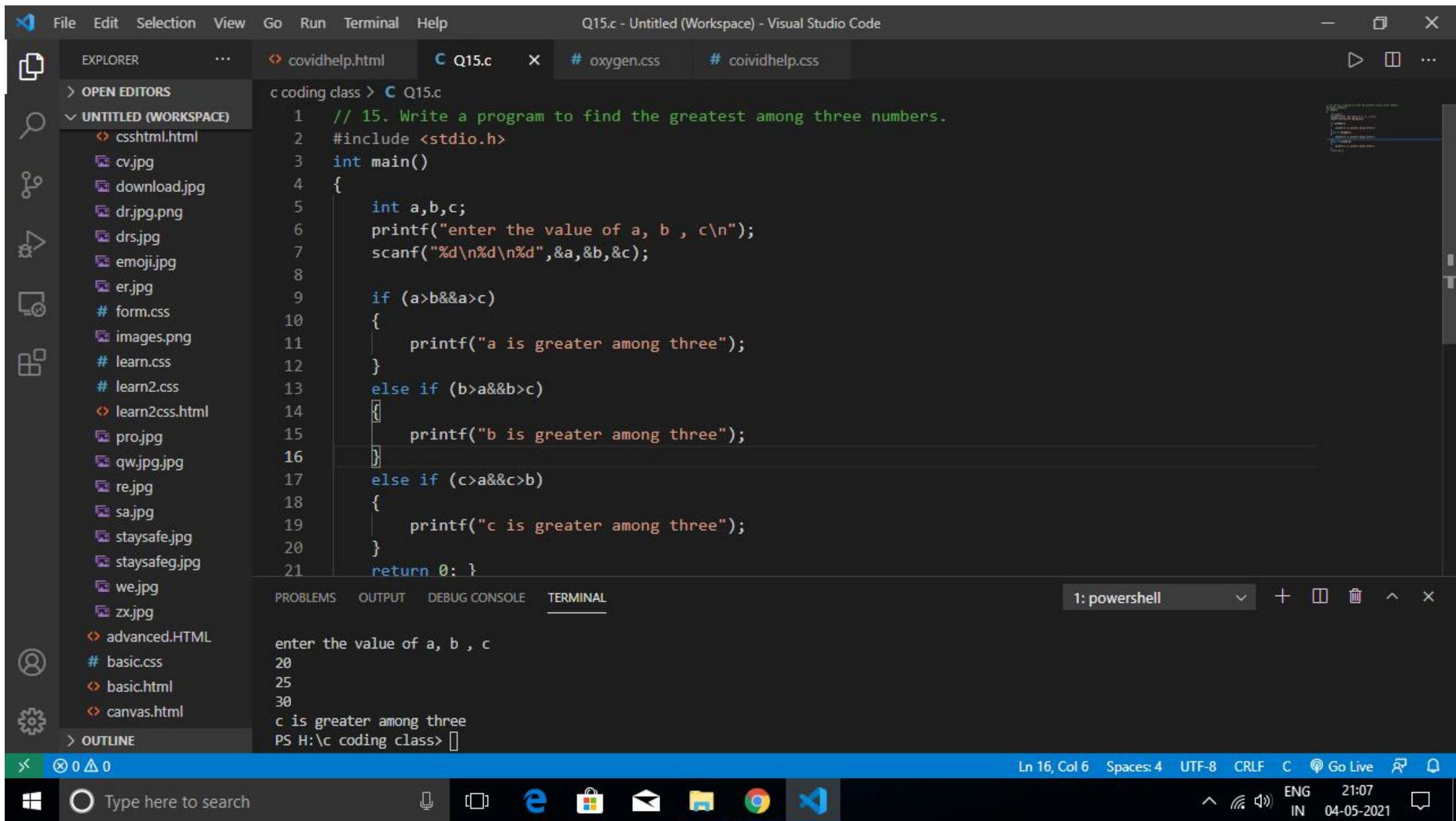
Ln 17, Col 16Spaces: 4UTF-8CRLFCGo Live

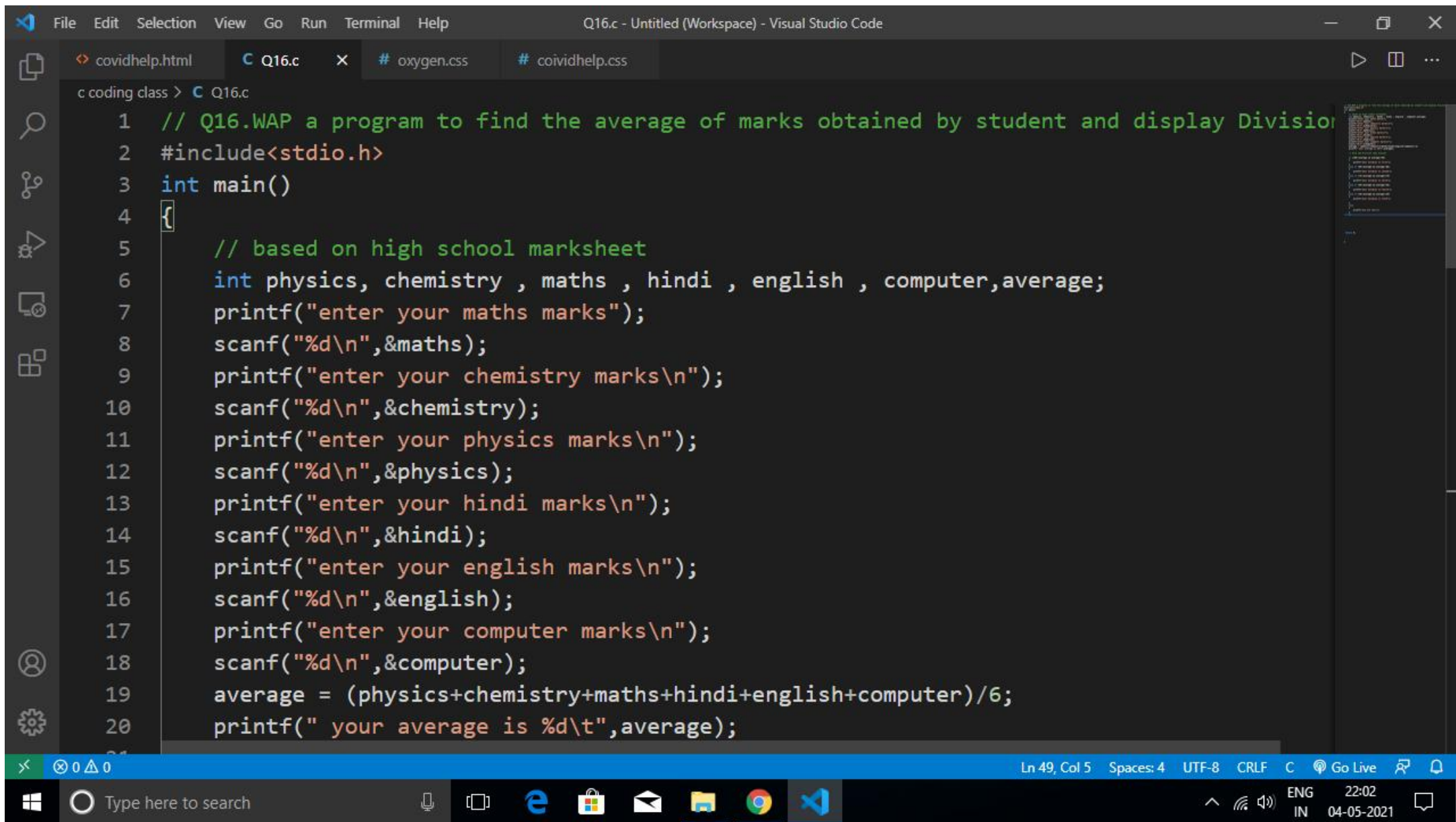
0 0 0

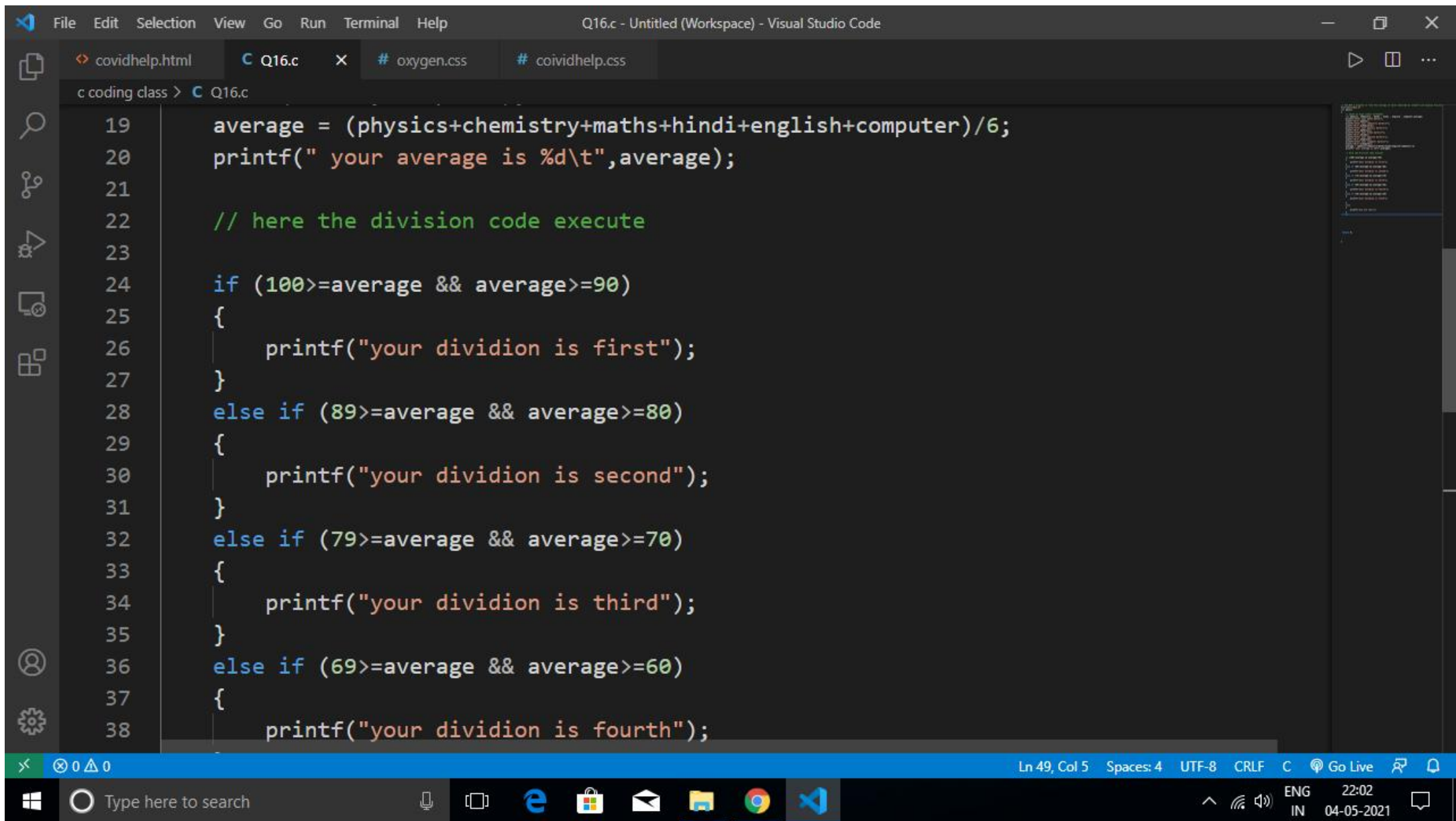
Type here to search

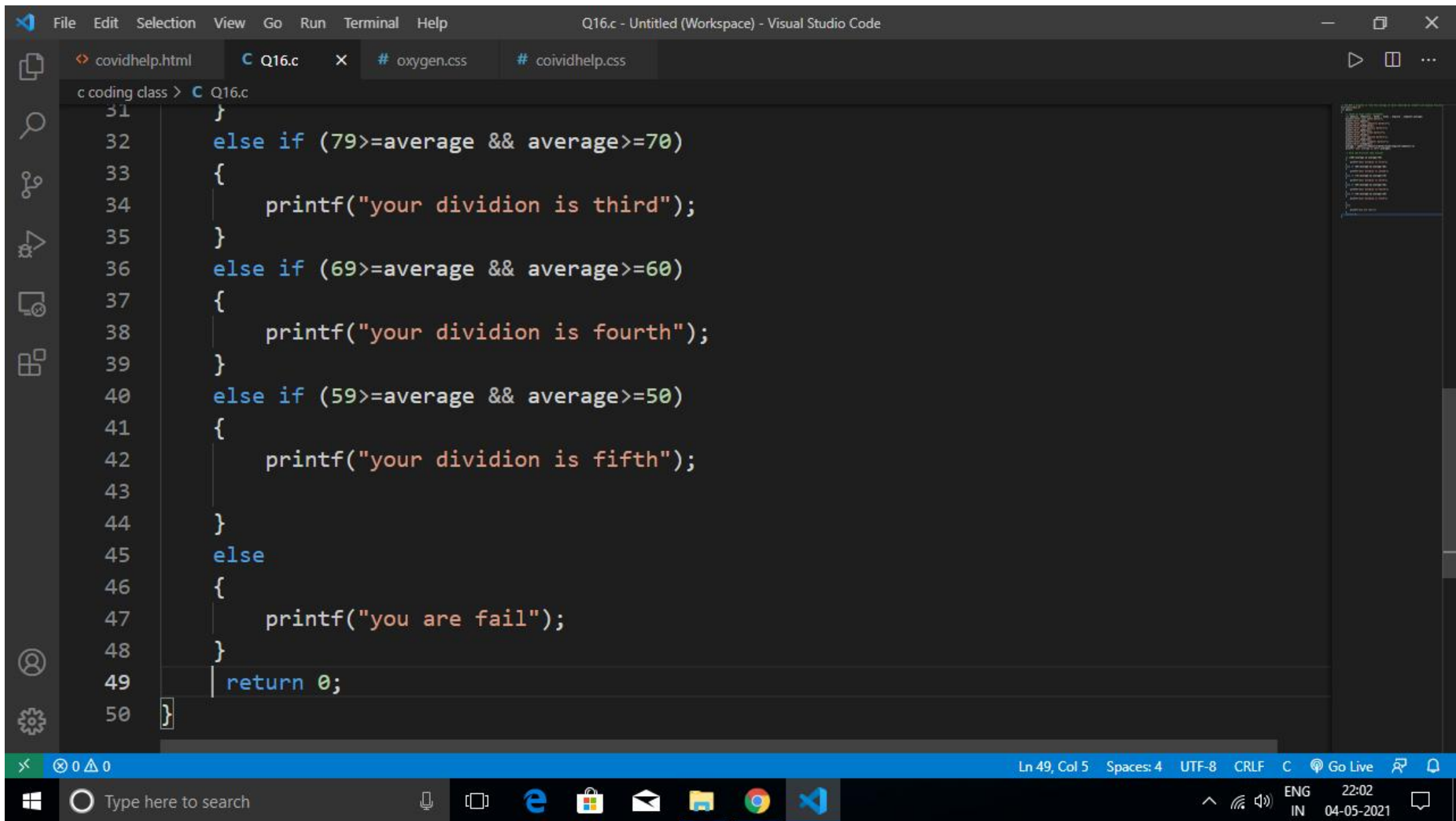
19:3104-05-2021



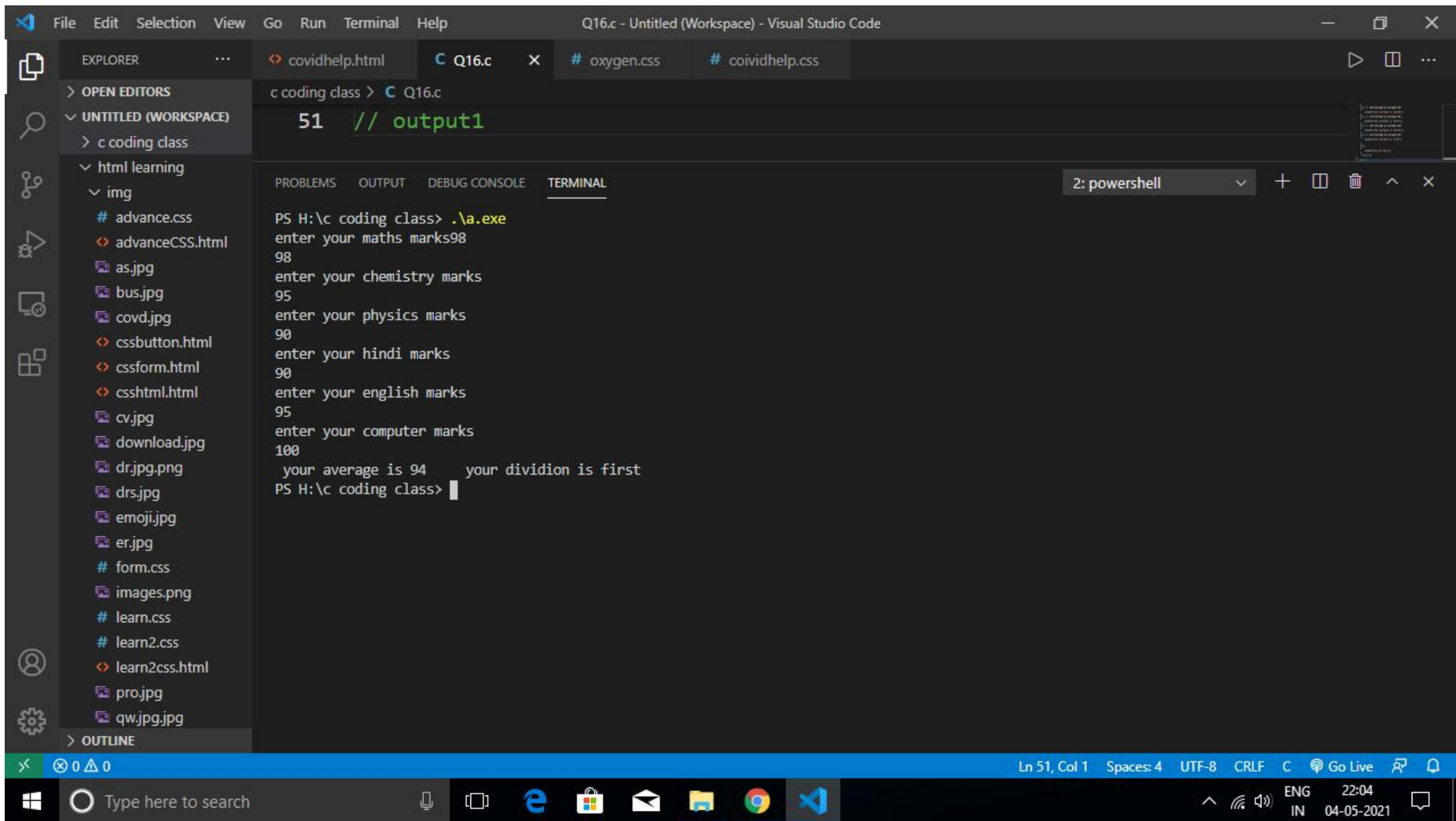












File Edit Selection View Go Run Terminal Help

Q16.c - Untitled (Workspace) - Visual Studio Code

EXPLORED

OPEN EDITORS

UNTITLED (WORKSPACE)

c coding class

html learning

img

# advance.css

advanceCSS.html

as.jpg

bus.jpg

covid.jpg

cssbutton.html

cssform.html

csshtml.html

cv.jpg

download.jpg

dr.jpg.png

drs.jpg

emoji.jpg

er.jpg

# form.css

images.png

# learn.css

# learn2.css

learn2css.html

pro.jpg

qw.jpg.jpg

OUTLINE

covidhelp.html

Q16.c

oxygen.css

coividhelp.css

c coding class > Q16.c

51 // output2

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

2: powershell

PS H:\c coding class> .\a.exe

enter your maths marks50

50

enter your chemistry marks

50

enter your physics marks

50

enter your hindi marks

50

enter your english marks

50

enter your computer marks

50

your average is 50 your division is fifth

PS H:\c coding class>

Ln 51, Col 11 Spaces: 4 UTF-8 CRLF C Go Live

0 0 0

Type here to search

22:05 04-05-2021

FileEditSelectionViewGoRunTerminalHelp

Q17.c - Untitled (Workspace) - Visual Studio Code

covidhelp.htmlQ17.coxygen.csscoividhelp.css

c coding class > C Q17.c

```
1 // Q17. An electronic power company charges its customer as follow:
2 // If unit is 0 to 100 then rent is 100 and rate of charge is 1 rs per unit
3 // If unit is 100 to 200 then rent is 150 and rate of charge is 1.50 rs per unit
4 // If unit is 200 to 300 then rent is 200 and rate of charge is 2 rs per unit
5 // For above 300 then rent is 250 and rate is 2.50 rs per unit.
6 // Print the amount to be paid by the customer.
7 #include<stdio.h>
8 int main()
9 {
10     // based on how much electric bill customer have to payed...!
11
12     int units;
13     float rent;
14     printf("please enter your units\n");
15     scanf("%d\n",&units);
16     if (100>=units && units>=0)
17     {
18         rent=units*1*100;
19         printf("your bill is %d",rent);
20     }
21     else if (200>=units && units>100)
22     {
23         rent=units*1.50*150;
24         printf("your bill is %f",rent);
25     }
26     else if (300>=units && units>200)
```

Ln 33, Col 28Spaces: 4UTF-8CRLFCGo Live

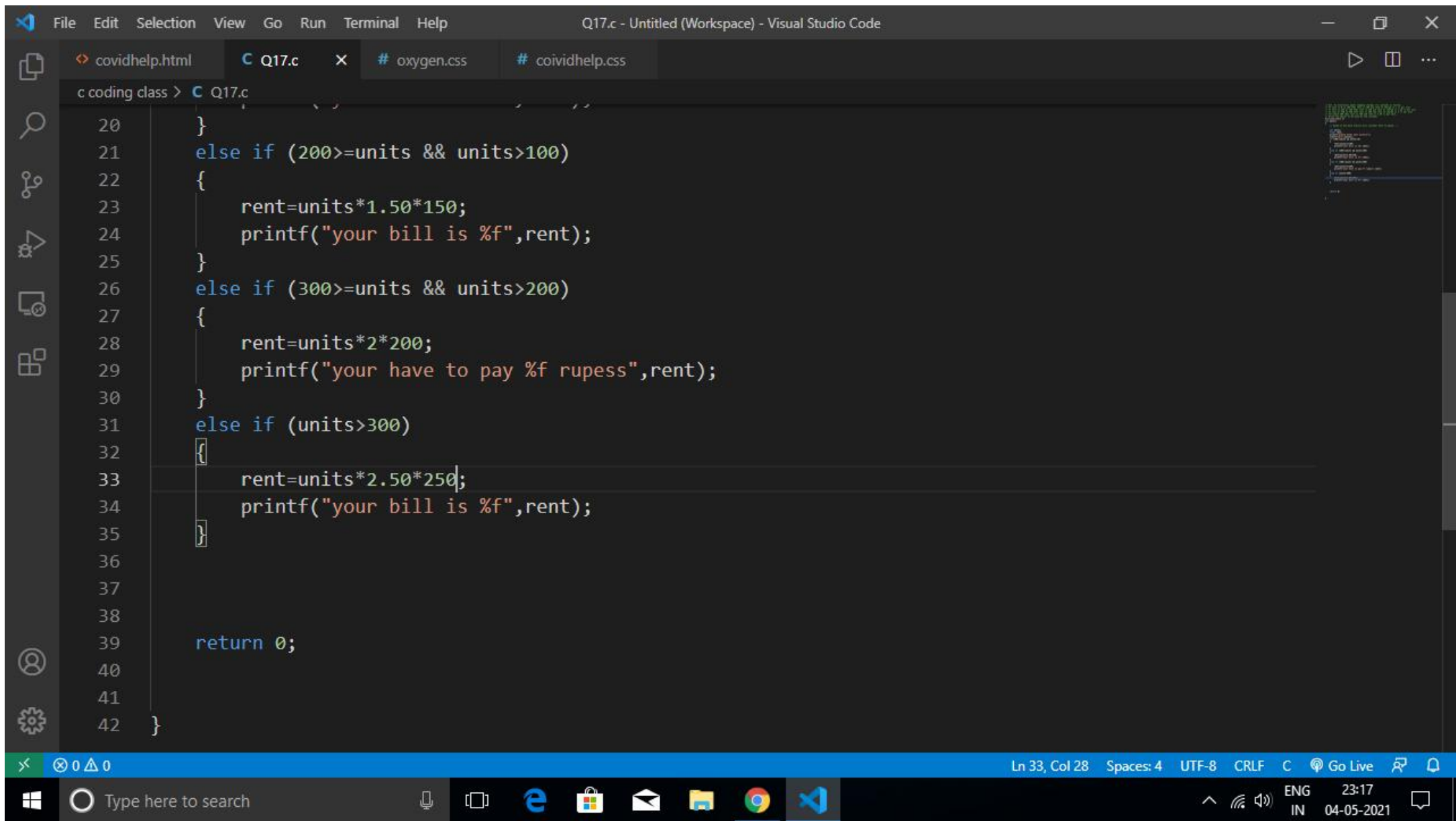
0 0 0

ENG IN23:1704-05-2021

Windows Taskbar

Search: Type here to search

Icons: File Explorer, Mail, Edge, Chrome, VS Code





Visual Studio Code interface showing a workspace named "Q17.c - Untitled (Workspace)".

**EXPLORER**

- OPEN EDITORS
- UNTITLED (WORKSPACE)
- c coding class
  - html learning
    - img
      - advance.css
      - advanceCSS.html
      - as.jpg
      - bus.jpg
      - covid.jpg
      - cssbutton.html
      - cssform.html
      - csshtml.html
      - cv.jpg
      - download.jpg
      - dr.jpg.png
      - drs.jpg
      - emoji.jpg
      - er.jpg
      - form.css
      - images.png
      - learn.css
      - learn2.css
      - learn2css.html
      - pro.jpg
      - qw.jpg.jpg

**TERMINAL**

```
PS H:\c coding class> gcc Q17.c
PS H:\c coding class> .\a.exe
please enter your units
250
250
your have to pay 100000.000000 rupess
PS H:\c coding class>
```

Ln 53, Col 12 Spaces: 4 UTF-8 CRLF C Go Live

File Edit Selection View Go Run Terminal Help

Q17.c - Untitled (Workspace) - Visual Studio Code

EXPLORER

OPEN EDITORS

UNTITLED (WORKSPACE)

c coding class

html learning

img

advance.css

advanceCSS.html

as.jpg

bus.jpg

covid.jpg

cssbutton.html

cssform.html

csshtml.html

cv.jpg

download.jpg

dr.jpg.png

drs.jpg

emoji.jpg

er.jpg

form.css

images.png

learn.css

learn2.css

learn2css.html

pro.jpg

qw.jpg.jpg

OUTLINE

covidhelp.html

Q17.c

oxygen.css

coividhelp.css

c coding class > Q17.c

43

44

45

46

47

48

49

50

51

52

53 // output 2

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

4: powershell

PS H:\c coding class> gcc Q17.c

PS H:\c coding class> .\a.exe

please enter your units

350

350

your bill is 218750.000000

PS H:\c coding class>

Ln 53, Col 12

Spaces: 4

UTF-8

CRLF

C

Go Live

Type here to search

23:23

04-05-2021

Visual Studio Code interface showing a C program (Q19.c) being edited. The program reads an integer, increments it by 1, and checks if it is even or less than 20 to increment it again.

```
c coding class > C Q19.c
1 // Q19. Write a program to read an integer number from the keyword ,add 1 to it ,if the number is
2 // even and again add 1 to it if the number is less than 20 otherwise keep the number
3 // unchanged and display that number.
4
5 #include<stdio.h>
6 int main()
7 {
8     int integer;
9     printf("enter an Integer");
10    scanf("%d\n",&integer);
11    integer++ ;
12    printf(" we add 1 to it %d\n",integer);
13
14
15    // here the loop starts....!
16    if (integer%2 == 0)
17    {
18        integer++ ;
19        printf("number is even so we add 1 to it so now the number is %d\n",integer);
20    }
21    if (integer<20)
22    {
23        integer++ ;
24        printf("numberis less than 20 so we shoud add 1 to it so now the number is %d\n",integer);
25    }
26
27    return 0;
28 }
```

Ln 27, Col 5 Spaces: 4 UTF-8 CRLF C Go Live ENG IN 00:03 05-05-2021

File Edit Selection View Go Run Terminal Help

Q19.c - Untitled (Workspace) - Visual Studio Code

EXPLORER

OPEN EDITORS

UNTITLED (WORKSPACE)

c coding class

html learning

img

# advance.css

advanceCSS.html

as.jpg

bus.jpg

covd.jpg

cssbutton.html

cssform.html

csshtml.html

cv.jpg

download.jpg

dr.jpg.png

drs.jpg

emoji.jpg

er.jpg

# form.css

images.png

# learn.css

# learn2.css

learn2css.html

pro.jpg

qw.jpg.jpg

OUTLINE

covidhelp.html

Q18.c

Q19.c

oxygen.css

coividhelp.css

c coding class > Q19.c

22 {

23 integer++ ;

24 printf("numberis less than 20 so we shoud add 1 to it so now the number is %d\n",integer);

25 }

26 }

27 return 0;

28 }

29 }

30 }

31 }

32 }

33 }

34 }

35 // output1, when number is even

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

6: powershell

PS H:\c coding class> gcc Q19.c

PS H:\c coding class> .\a.exe

enter an Integer13

13

we add 1 to it 14

number is even so we add 1 to it so now the number is 15

numberis less than 20 so we shoud add 1 to it so now the number is 16

PS H:\c coding class>

Ln 35, Col 1 Spaces: 4 UTF-8 CRLF C Go Live

Type here to search

ENG UK 00:17 05-05-2021



File

Edit

Selection

View

Go

Run

Terminal

Help

Q19.c - Untitled (Workspace) - Visual Studio Code

EXPLOER

...

covidhelp.html

Q18.c

Q19.c

oxygen.css

coividhelp.css

OPEN EDITORS

UNTITLED (WORKSPACE)

c coding class

html learning

img

advance.css

advanceCSS.html

as.jpg

bus.jpg

covd.jpg

cssbutton.html

cssform.html

csshtml.html

cv.jpg

download.jpg

dr.jpg.png

drs.jpg

emoji.jpg

er.jpg

form.css

images.png

learn.css

learn2.css

learn2css.html

pro.jpg

qw.jpg.jpg

OUTLINE

c coding class > Q19.c

23 integer++ ;

24 printf("numberis less than 20 so we shoud add 1 to it so now the number is %d\n",integer);

25 }

26 }

27 return 0;

28 }

29 }

30 }

31 }

32 }

33 }

34 }

35 // output2, when number is odd

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

6: powershell

+

□

✖

^

×

PS H:\c coding class> .\a.exe

enter an Integer12

12

we add 1 to it 13

numberis less than 20 so we shoud add 1 to it so now the number is 14

PS H:\c coding class>

Ln 35, Col 31

Spaces: 4

UTF-8

CRLF

C

Go Live

00:25

05-05-2021

Type here to search

Windows

Taskbar

System Tray

The image shows a Visual Studio Code window with a C file named Q20.c. The code is a program to calculate gross salary based on basic salary and HRA/DA rules. The code is as follows:

```
c coding class > C Q20.c
1 // 20. If the basic salary is less than Rs 1500 ,then HRA is 10% of the basic salary and DA is 90% of
2 // basic salary .if the salary is either equal to or above 1500 then HRA is 500 and DA is 95% of
3 // basic salary .if the employee salary is entered then find the gross salary and display it.
4 // Gross Salary = Basic + HRA + DA
5
6 #include<stdio.h>
7 int main()
8 {
9     int basicSalary, hra, DA, grossSalary;
10    printf("please enter your basic salary\n");
11    scanf("%d\n",&basicSalary);
12    if (1500>basicSalary)
13    {
14        grossSalary = basicSalary + (10*basicSalary)/100 + (90*basicSalary)/100;
15        printf("your grossSalary is %d",grossSalary);
16    }
17
18    else if (basicSalary>=1500)
19    {
20        grossSalary = basicSalary + 500 + (95*basicSalary)/100;
21        printf("your grossSalary is %d",grossSalary);
22    }
23    return 0;
24
```

The status bar at the bottom indicates the current position is Line 24, Column 5, with 4 spaces. The encoding is UTF-8, and the line endings are CRLF. The language is C. The system tray shows the date and time as 10:17 on 05-05-2021.

Visual Studio Code interface showing a C program (Q20.c) and its execution in a terminal.

**Explorer Panel:**

- UNTITLED (WORKSPACE)
  - Q9.c
  - Q10.c
  - Q11.c
  - Q12.c
  - Q13.c
  - Q14.c
  - Q15.c
  - Q16.c
  - Q17.c
  - Q18.c
  - Q19.c
  - Q20.c
- html learning
  - img
    - advance.css
    - advanceCSS.html
    - as.jpg
    - bus.jpg
    - covd.jpg
    - cssbutton.html
    - cssform.html
    - csshtml.html
    - cv.jpg

**Editor Panel:**

Q20.c

```
19 {
20     grossSalary = basicSalary + 500 + (95*basicSalary)/100;
21     printf("your grossSalary is %d",grossSalary);
22 }
23 return 0;
24
25 }
26
27
28 // output! when salary is less than 1500
```

**Terminal Panel:**

2: powershell

```
PS H:\c coding class> gcc Q20.c
PS H:\c coding class> .\a.exe
please enter your basic salary
800
800
your grossSalary is 1600
PS H:\c coding class>
```

**Status Bar:**

Ln 28, Col 41 Spaces: 4 UTF-8 CRLF C Go Live

**Taskbar:**

Type here to search

Windows Start button, Task View, Edge, File Explorer, Mail, Chrome, VS Code

System tray: Network, Volume, Language (ENG IN), Date/Time (10:19 05-05-2021)

File Edit Selection View Go Run Terminal Help

Q20.c - Untitled (Workspace) - Visual Studio Code

EXPLORER

OPEN EDITORS

UNTITLED (WORKSPACE)

Q20.c

Q9.c

Q10.c

Q11.c

Q12.c

Q13.c

Q14.c

Q15.c

Q16.c

Q17.c

Q18.c

Q19.c

Q20.c

html learning

img

advance.css

advanceCSS.html

as.jpg

bus.jpg

covd.jpg

cssbutton.html

cssform.html

csshtml.html

cv.jpg

download in

OUTLINE

c coding class > C Q20.c

19 {

20 grossSalary = basicSalary + 500 + (95\*basicSalary)/100;

21 printf("your grossSalary is %d",grossSalary);

22 }

23 return 0;

24 }

25 }

26 }

27 }

28 // output 2 when salary is more than 1500

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

2: powershell

PS H:\c coding class> gcc Q20.c

PS H:\c coding class> .\a.exe

please enter your basic salary

1800

1800

your grossSalary is 4010

PS H:\c coding class>

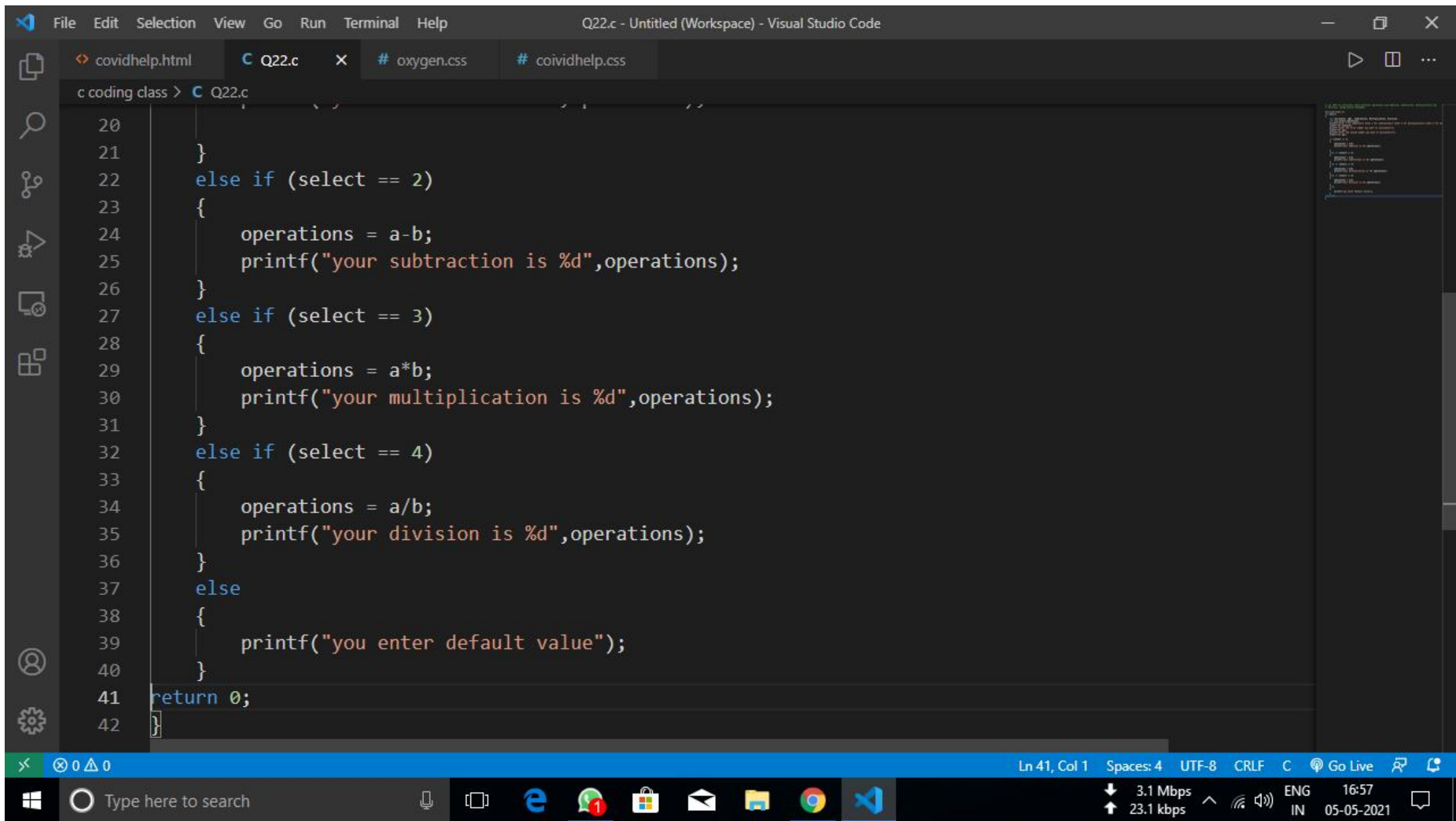
Ln 28, Col 32 Spaces: 4 UTF-8 CRLF C Go Live

Type here to search

10:20 05-05-2021







FileEditSelectionViewGoRunTerminalHelp

Q22.c - Untitled (Workspace) - Visual Studio Code

covidhelp.htmlQ22.coxygen.cssoividhelp.css

c coding class > Q22.c

65 // output:

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

4: powershell

PS H:\c coding class> .\a.exe  
enter 1 for addition  
enter 2 for subtraction  
enter 3 for multiplication  
enter 4 for division  
3  
enter the first number you want to calculate  
25  
enter the second number you want to calculate  
25  
your multiplication is 625  
PS H:\c coding class> .\a.exe  
enter 1 for addition  
enter 2 for subtraction  
enter 3 for multiplication  
enter 4 for division  
4  
enter the first number you want to calculate  
555  
enter the second number you want to calculate  
5  
your division is 111  
PS H:\c coding class>

Ln 65, Col 11Spaces: 4UTF-8CRLFCGo Live

1.5 Mbps10.0 kbpsENG IN17:0005-05-2021

File Edit Selection View Go Run Terminal Help

Q8.c - Untitled (Workspace) - Visual Studio Code

EXPLORER

> OPEN EDITORS

UNTI...

> c coding class

html learning

img

# advance.css

advanceCSS.html

as.jpg

bus.jpg

covd.jpg

cssbutton.html

cssform.html

csshtml.html

cv.jpg

download.jpg

dr.jpg.png

drs.jpg

emoji.jpg

er.jpg

# form.css

images.png

# learn.css

# learn2.css

learn2css.html

pro.jpg

qw.jpg.jpg

> OUTLINE

coding class > Q8.c

1 // 8. Write a program to take a number from user and find its square root.

2

3 #include<stdio.h>

4 #include<math.h>

5 int main()

6 {

7 int a,b;

8 printf("enter the number whose you want a square root\n");

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

10 b= sqrt(a);

11 printf("square root of your number is %d",b);

12 return 0;

13 }

14 }

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

5: powershell

PS H:\c coding class> gcc Q8.c

PS H:\c coding class> .\a.exe

enter the number whose you want a square root

25

square root of your number is 5

PS H:\c coding class>

Ln 14, Col 2 Spaces: 4 UTF-8 CRLF C Go Live

144.2 kbps 4.8 kbps ENG IN 17:07 05-05-2021



File Edit Selection View Go Run Terminal Help

Q10.c - Untitled (Workspace) - Visual Studio Code

EXPLORER

OPEN EDITORS

UNTITLED (WORKSPACE)

c coding class

a.exe

Q1.c

Q2.c

Q3.c

Q4.c

Q8.c

Q9.c

Q10.c

Q11.c

Q12.c

Q13.c

Q14.c

Q15.c

Q16.c

Q17.c

Q18.c

Q19.c

Q20.c

Q21.c

Q22.c

html learning

img

advance.css

OUTLINE

coding class > Q10.c

```
1 // Q10. WAP to check the given number is even or odd, using bit-wise operator.
2 #include<stdio.h>
3 int main()
4 {
5     int a;
6     printf("enter the number that you want to check its even or odd\n");
7     scanf("%d",&a);
8     if (a & 1)
9     {
10         printf("odd");
11     }
12     else
13     {
14         printf("even");
15     }
16 }
17 return 0; }
18
19 // output
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

5: powershell

PS H:\c coding class> .\a.exe
enter the number that you want to check its even or odd
33
odd

Ln 1, Col 79 Spaces: 4 UTF-8 CRLF C Go Live

4.2 Mbps 52.4 kbps ENG IN 17:12 05-05-2021

FileEditSelectionViewGoRunTerminalHelp

Q5.c - Untitled (Workspace) - Visual Studio Code

covidhelp.htmlQ4.cQ5.cX# oxygen.css# coividhelp.css

c coding class > C Q5.c

```
1 // 5. Write a program to calculate the value in the following expressions.
2 // a r = a5+3ab2+b      c area = πr2+2πrh
3 // b area = √3/4*a*a    d distance=ut+(at 2)/2
4
5 // A part
6 #include<stdio.h>
7 int main()
8 {
9     int a,b,c,r;
10    printf("enter the value of a b c\n");
11    scanf("%d %d %d",&a,&b,&c);
12
13    r = (5*a + 3*a*b*2 +b);
14    printf("%d",r);
15    return 0;
16 }
```

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

10: powershell

```
PS H:\c coding class> .\a.exe
enter the value of a b c
45
56
65
15401
PS H:\c coding class> 
```

Ln 16, Col 2Spaces: 4UTF-8CRLFCGo Live

Type here to search

1.2 Mbps11.5 kbpsENG IN18:5405-05-2021

FileEditSelectionViewGoRunTerminalHelp

Q5.c - Untitled (Workspace) - Visual Studio Code

covidhelp.htmlQ4.cQ5.cX# oxygen.css# coividhelp.css

c coding class > C Q5.c

```
1 // 5. Write a program to calculate the value in the following expressions.
2 // a r = a5+3ab2+b          c area = πr2+2πrh
3 // b area = √3/4*a*a        d distance=ut+(at 2)/2
4
5 // B part
6 #include<stdio.h>
7 int main()
8 {
9     int r,h, area;
10    printf("enter the value of r and h\n");
11    scanf("%d %d",&r,&h);
12
13    area = 3.14*2*r*(h+1);
14    printf("%d",area);
15    return 0;
16 }
```

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

10: powershell

enter the value of r and h  
25  
75  
11932  
PS H:\c coding class> .\a.exe

Ln 11, Col 27Spaces: 4UTF-8CRLFCGo Live

Windows taskbar with search bar, taskbar icons, and system tray

FileEditSelectionViewGoRunTerminalHelp

Q5.c - Untitled (Workspace) - Visual Studio Code

covidhelp.htmlQ4.cQ5.cX# oxygen.css# coividhelp.css

c coding class > C Q5.c

```
1 // 5. Write a program to calculate the value in the following expressions.
2 // a r = a5+3ab2+b      c area = πr2+2πrh
3 // b area = √3/4*a*a    d distance=ut+(at 2)/2
4
5 // B part
6 #include<stdio.h>
7 #include<math.h>
8 int main()
9 {
10     float a,area;
11     printf("enter the value of a \n");
12     scanf("%f",&a);
13
14     area = sqrt(3)/4*a*a;
15     printf("%f",area);
16     return 0;
17 }
```

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

10: powershell

PS H:\c coding class> .\a.exe  
enter the value of a  
2  
1.732051  
PS H:\c coding class>

Ln 13, Col 1Spaces: 4UTF-8CRLFCGo Live

939.1 kbps12.4 kbpsENG IN19:1405-05-2021



FileEditSelectionViewGoRunTerminalHelp

Q5.c - Untitled (Workspace) - Visual Studio Code

covidhelp.htmlQ4.cQ5.cx#oxygen.css#coividhelp.css

c coding class > C Q5.c

```
1 // 5. Write a program to calculate the value in the following expressions.
2 // a r = a5+3ab2+b          c area = πr2+2πrh
3 // b area = √3/4*a*a        d distance=ut+(at 2)/2
4
5 // D part
6 #include<stdio.h>
7 #include<math.h>
8 int main()
9 {
10     float a,t,u,distance;
11     printf("enter the value of a , t and u  \n");
12     scanf("%f %f %f",&a,&t,&u);
13
14     distance = u*t+(a*a*t*t);
15     printf("%f",distance);
16     return 0;
}
```

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

10: powershell

enter the value of a , t and u
2
3
6
54.000000
PS H:\c coding class>

Ln 17, Col 5Spaces: 4UTF-8CRLFCGo Live

1.4 Mbps19:24
9.9 kbps05-05-2021