# Module -1

## Logic Building and Problem Solving

### Assignment No. 2

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Batch: C-DAC, 17 Mar 202

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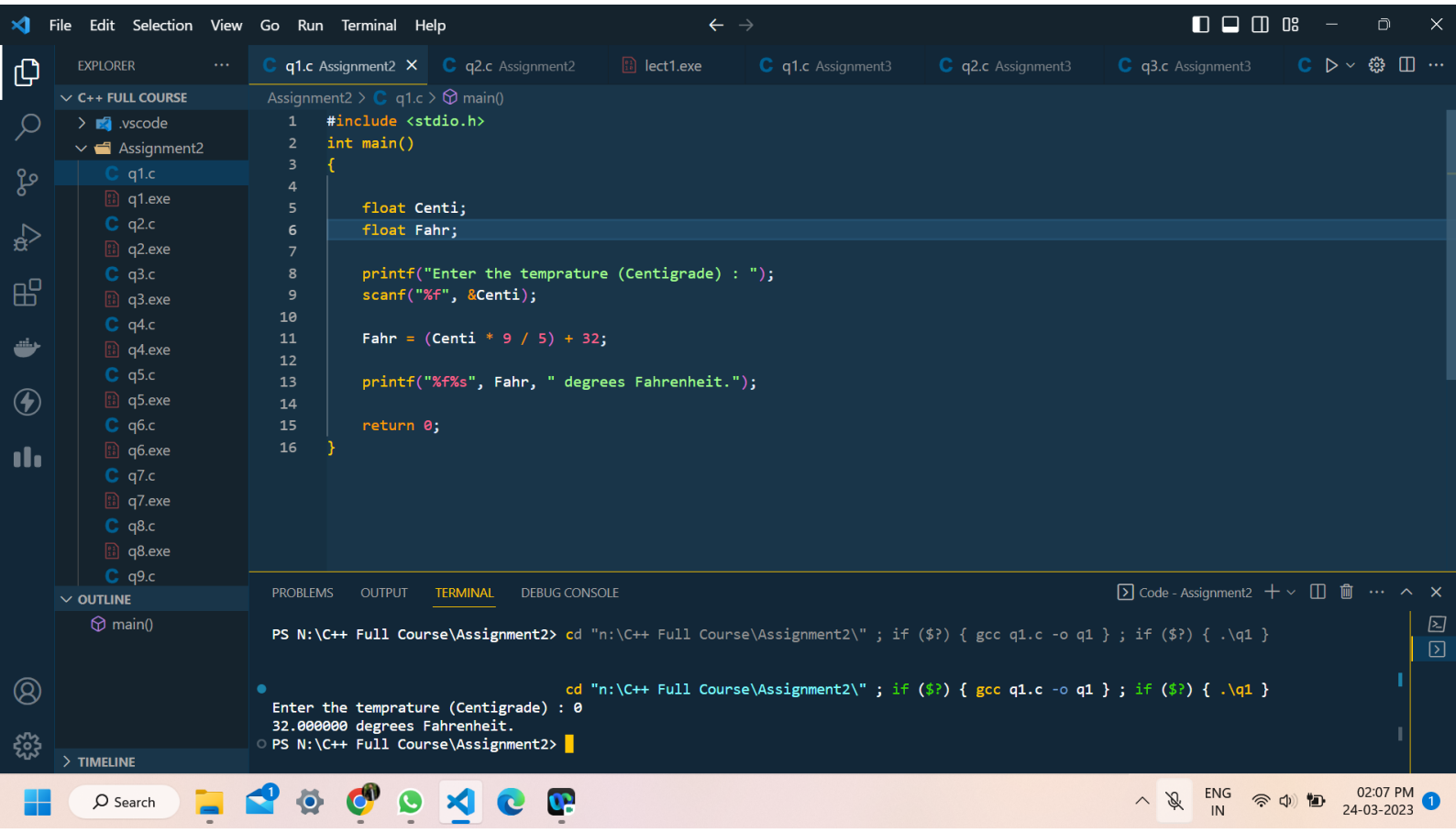
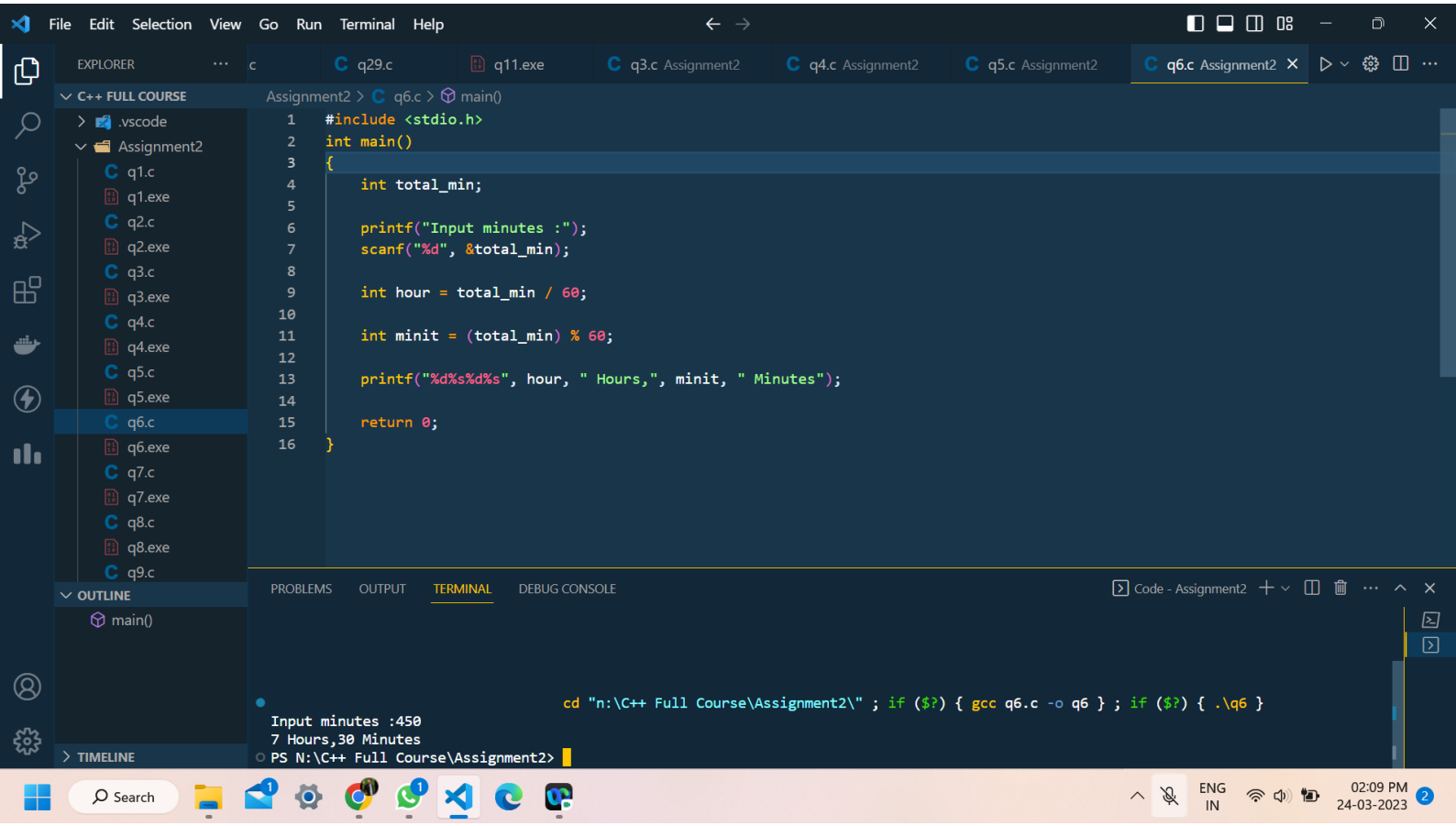
Q1)



Q2)


File Edit Selection View Go Run Terminal Help
EXPLORER
C++ FULL COURSE
.vscode
Assignment2
q1.c
q1.exe
q2.c
q2.exe
q3.c
q3.exe
q4.c
q4.exe
q5.c
q5.exe
q6.c
q6.exe
q7.c
q7.exe
q8.c
q8.exe
q9.c
OUTLINE
main()
TIMELINE
q29.c
q11.exe
q3.c Assignment2
q4.c Assignment2
q5.c Assignment2
q6.c Assignment2
Assignment2 > q6.c > main()
1 #include <stdio.h>
2 int main()
3 {
4 int total_min;
5
6 printf("Input minutes :");
7 scanf("%d", &total_min);
8
9 int hour = total_min / 60;
10
11 int minit = (total_min) % 60;
12
13 printf("%d%s%d%s", hour, " Hours,", minit, " Minutes");
14
15 return 0;
16 }
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Code - Assignment2
cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q6.c -o q6 } ; if ($?) { .\q6 }
Input minutes :450
7 Hours,30 Minutes
PS N:\C++ Full Course\Assignment2>
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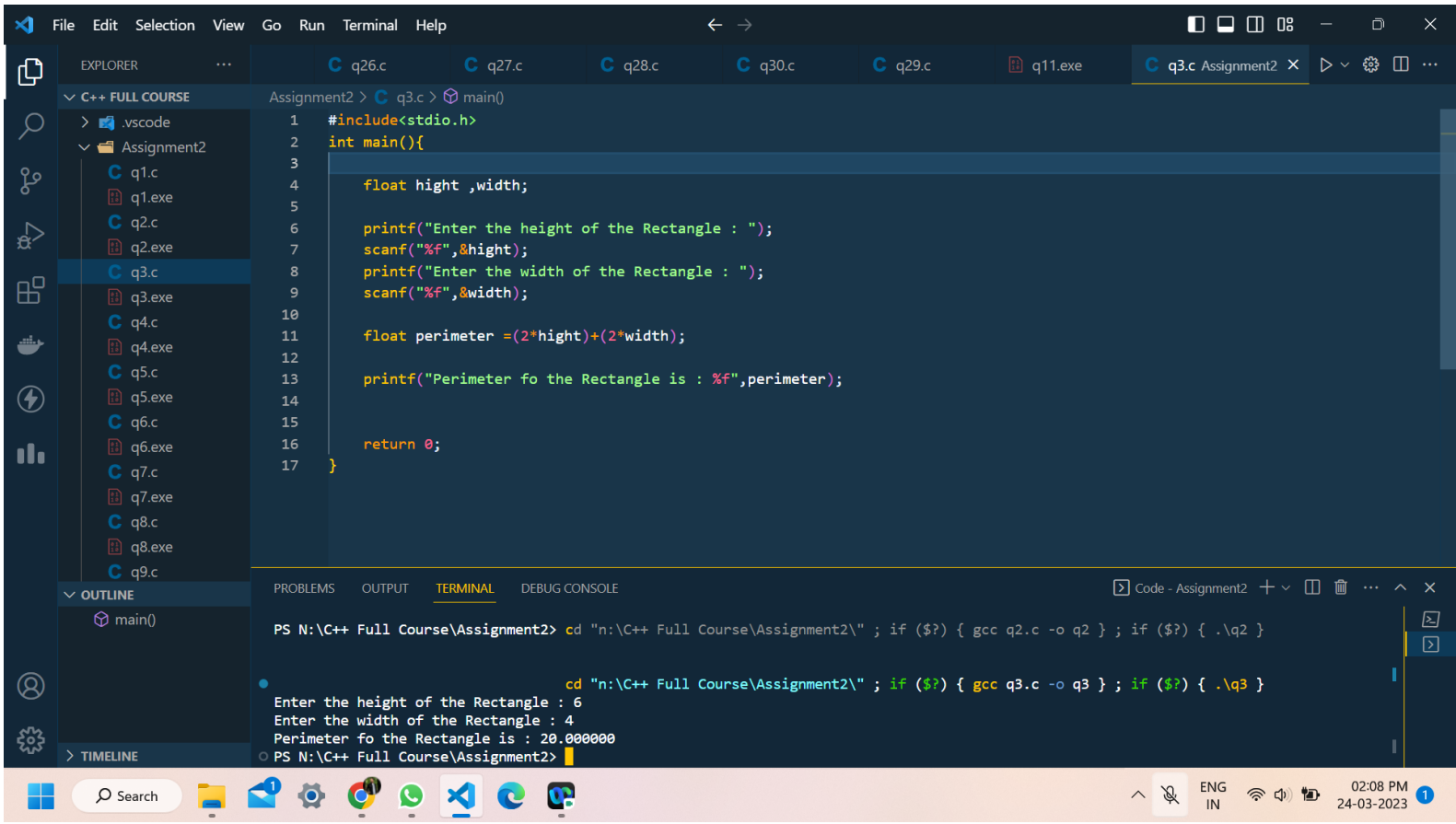
Q3)


File Edit Selection View Go Run Terminal Help
EXPLORER
C++ FULL COURSE
.vscode
Assignment2
q1.c
q1.exe
q2.c
q2.exe
q3.c
q3.exe
q4.c
q4.exe
q5.c
q5.exe
q6.c
q6.exe
q7.c
q7.exe
q8.c
q8.exe
q9.c
OUTLINE
main()
TIMELINE
q26.c
q27.c
q28.c
q30.c
q29.c
q11.exe
q3.c Assignment2
Assignment2 > q3.c > main()
1 #include<stdio.h>
2 int main(){
3
4 float hight ,width;
5
6 printf("Enter the height of the Rectangle : ");
7 scanf("%f",&hight);
8 printf("Enter the width of the Rectangle : ");
9 scanf("%f",&width);
10
11 float perimeter =(2*hight)+(2*width);
12
13 printf("Perimeter fo the Rectangle is : %f",perimeter);
14
15
16 return 0;
17 }
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Code - Assignment2
PS N:\C++ Full Course\Assignment2> cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q2.c -o q2 } ; if ($?) { .\q2 }
cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q3.c -o q3 } ; if ($?) { .\q3 }
Enter the height of the Rectangle : 6
Enter the width of the Rectangle : 4
Perimeter fo the Rectangle is : 20.000000
PS N:\C++ Full Course\Assignment2>
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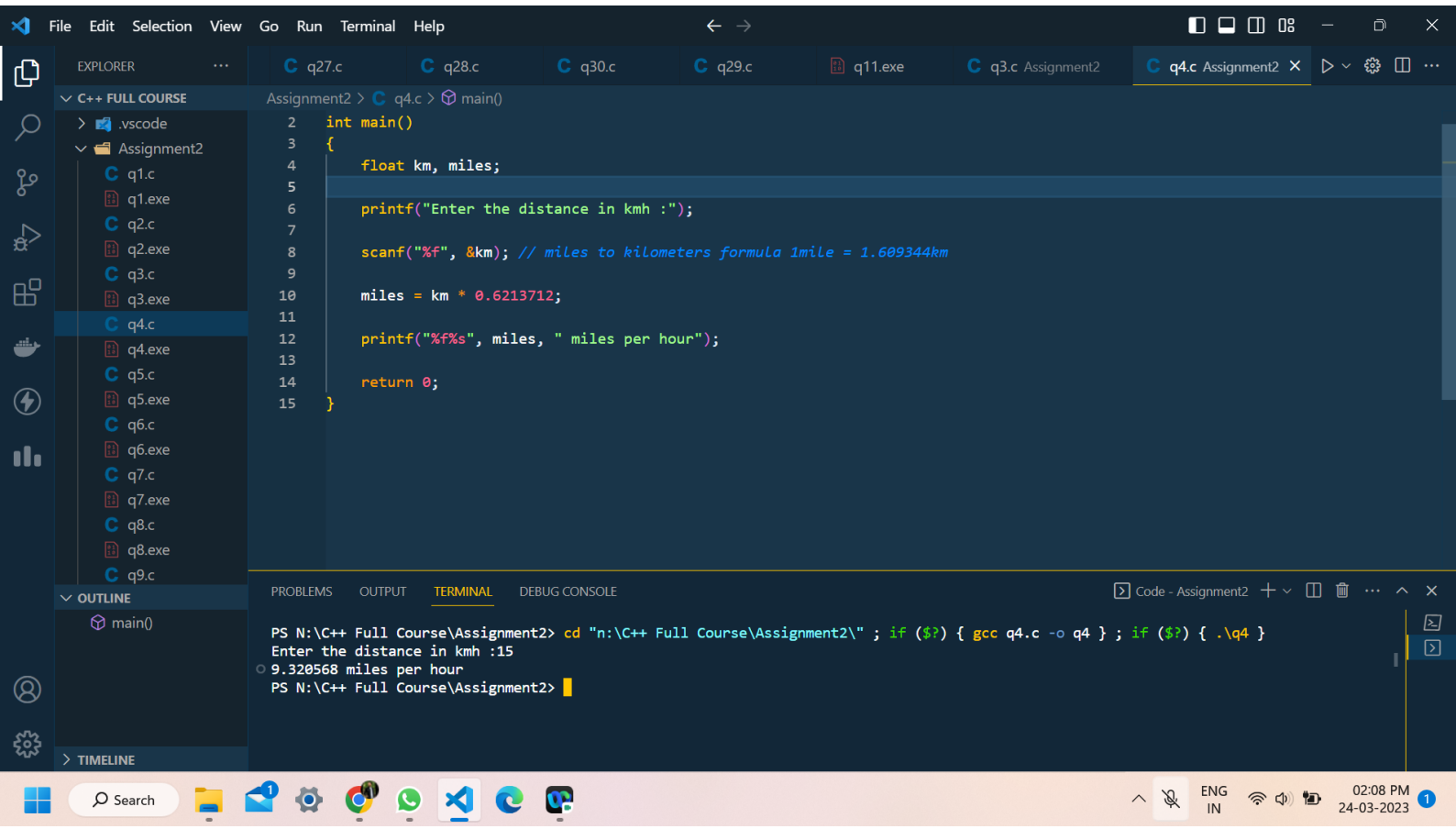
# Q4)


File Edit Selection View Go Run Terminal Help
EXPLORER
C++ FULL COURSE
.vscode
Assignment2
q1.c
q1.exe
q2.c
q2.exe
q3.c
q3.exe
q4.c
q4.exe
q5.c
q5.exe
q6.c
q6.exe
q7.c
q7.exe
q8.c
q8.exe
q9.c
OUTLINE
main()
TIMELINE
q27.c
q28.c
q30.c
q29.c
q11.exe
q3.c Assignment2
q4.c Assignment2
Assignment2 > q4.c > main()
2 int main()
3 {
4 float km, miles;
5
6 printf("Enter the distance in kmh :");
7
8 scanf("%f", &km); // miles to kilometers formula 1mile = 1.609344km
9
10 miles = km * 0.6213712;
11
12 printf("%f%s", miles, " miles per hour");
13
14 return 0;
15 }
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Code - Assignment2
PS N:\C++ Full Course\Assignment2> cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q4.c -o q4 } ; if ($?) { .\q4 }
Enter the distance in kmh :15
9.320568 miles per hour
PS N:\C++ Full Course\Assignment2>
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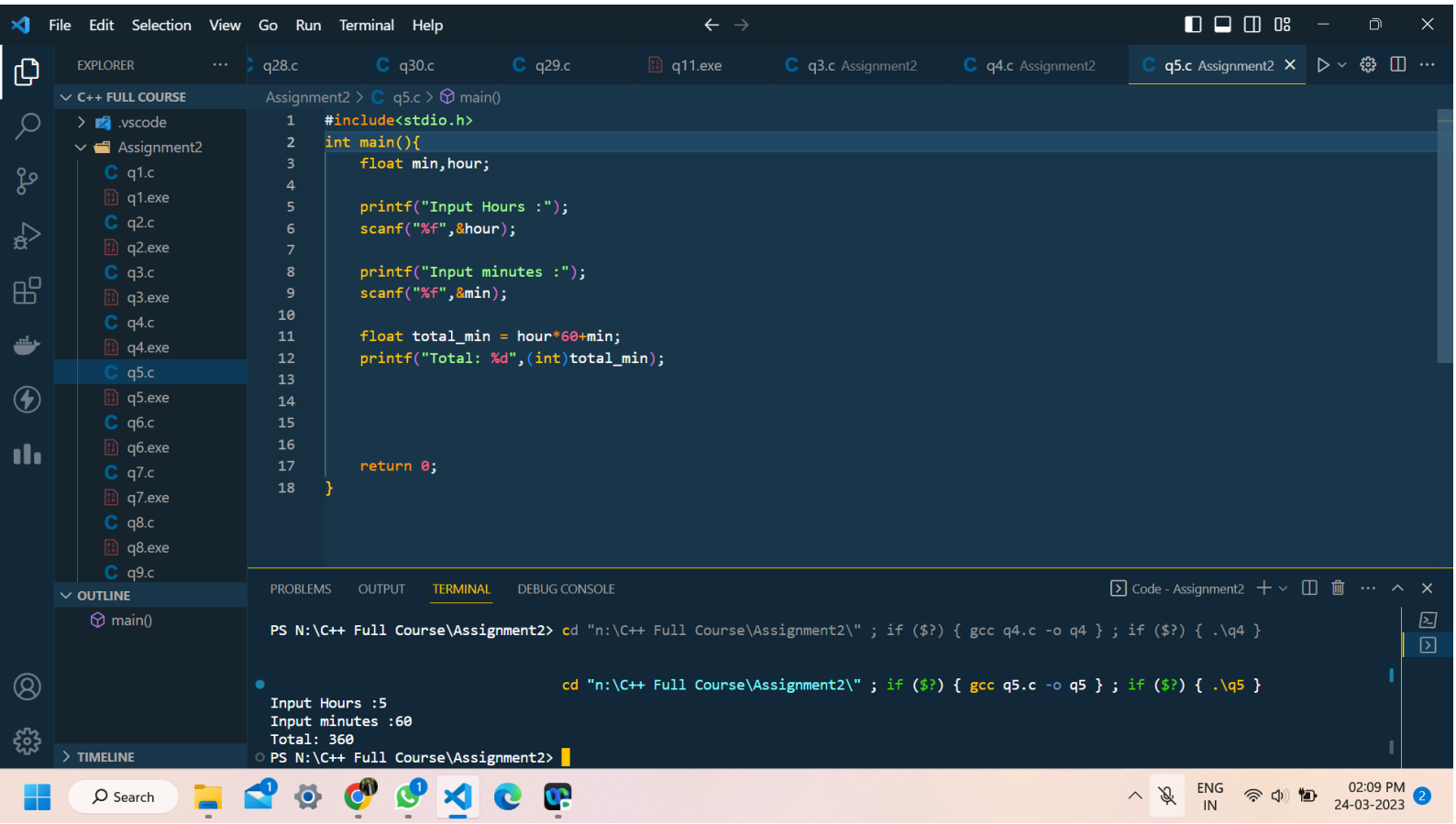
Q5)


File Edit Selection View Go Run Terminal Help
EXPLORER
q28.c
q30.c
q29.c
q11.exe
q3.c Assignment2
q4.c Assignment2
q5.c Assignment2
C++ FULL COURSE
.vscode
Assignment2
q1.c
q1.exe
q2.c
q2.exe
q3.c
q3.exe
q4.c
q4.exe
q5.c
q5.exe
q6.c
q6.exe
q7.c
q7.exe
q8.c
q8.exe
q9.c
OUTLINE
main()
TIMELINE
Assignment2 > q5.c > main()
1 #include<stdio.h>
2 int main(){
3 float min,hour;
4
5 printf("Input Hours :");
6 scanf("%f",&hour);
7
8 printf("Input minutes :");
9 scanf("%f",&min);
10
11 float total_min = hour*60+min;
12 printf("Total: %d",(int)total_min);
13
14
15
16
17 return 0;
18 }
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Code - Assignment2
PS N:\C++ Full Course\Assignment2> cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q4.c -o q4 } ; if ($?) { .\q4 }
cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q5.c -o q5 } ; if ($?) { .\q5 }
Input Hours :5
Input minutes :60
Total: 360
PS N:\C++ Full Course\Assignment2>
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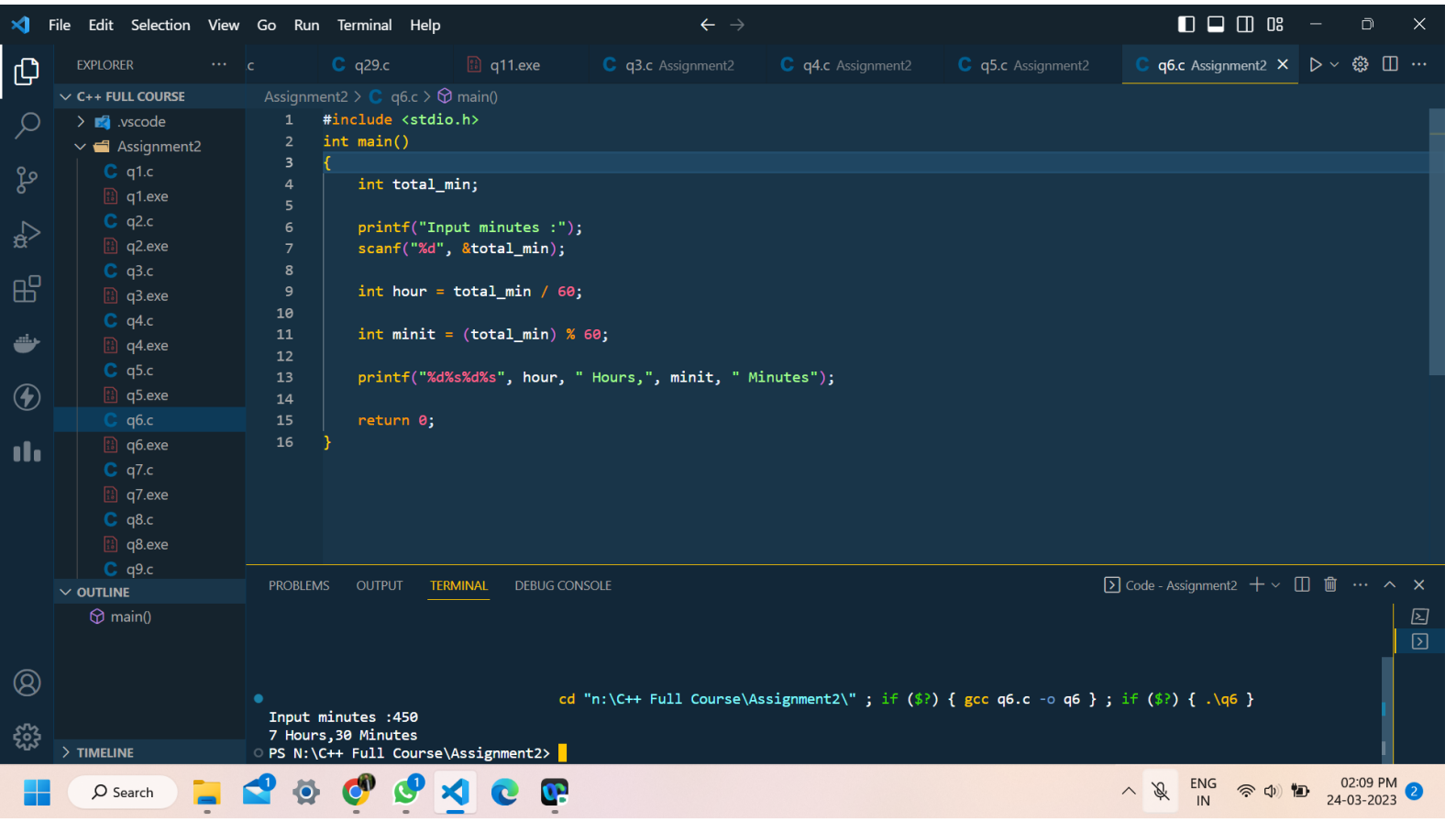
Q6)


File Edit Selection View Go Run Terminal Help
EXPLORER
C++ FULL COURSE
.vscode
Assignment2
q1.c
q1.exe
q2.c
q2.exe
q3.c
q3.exe
q4.c
q4.exe
q5.c
q5.exe
q6.c
q6.exe
q7.c
q7.exe
q8.c
q8.exe
q9.c
OUTLINE
main()
TIMELINE
q29.c
q11.exe
q3.c Assignment2
q4.c Assignment2
q5.c Assignment2
q6.c Assignment2
Assignment2 > q6.c > main()
#include <stdio.h>
int main()
{
int total_min;
printf("Input minutes :");
scanf("%d", &total_min);
int hour = total_min / 60;
int minit = (total_min) % 60;
printf("%d%s%d%s", hour, " Hours,", minit, " Minutes");
return 0;
}
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Code - Assignment2
cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q6.c -o q6 } ; if ($?) { .\q6 }
Input minutes :450
7 Hours,30 Minutes
PS N:\C++ Full Course\Assignment2>
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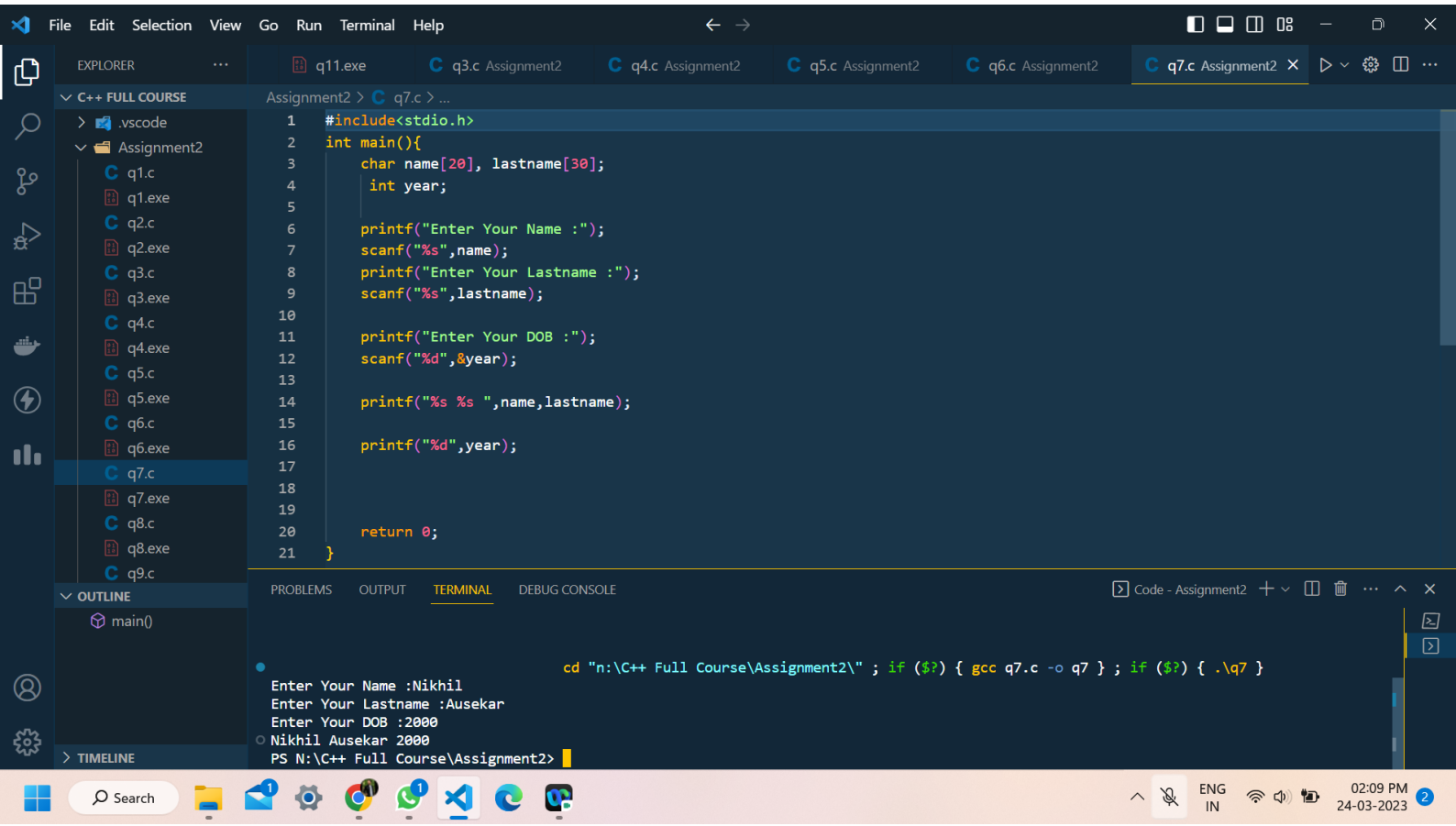
Q7)


File Edit Selection View Go Run Terminal Help
EXPLORER
q11.exe
q3.c Assignment2
q4.c Assignment2
q5.c Assignment2
q6.c Assignment2
q7.c Assignment2
C++ FULL COURSE
.vscode
Assignment2
q1.c
q1.exe
q2.c
q2.exe
q3.c
q3.exe
q4.c
q4.exe
q5.c
q5.exe
q6.c
q6.exe
q7.c
q7.exe
q8.c
q8.exe
q9.c
OUTLINE
main()
TIMELINE
Assignment2 > q7.c > ...
#include<stdio.h>
int main(){
char name[20], lastname[30];
int year;
printf("Enter Your Name :");
scanf("%s",name);
printf("Enter Your Lastname :");
scanf("%s",lastname);
printf("Enter Your DOB :");
scanf("%d",&year);
printf("%s %s ",name,lastname);
printf("%d",year);
return 0;
}
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Code - Assignment2
cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q7.c -o q7 } ; if ($?) { .\q7 }
Enter Your Name :Nikhil
Enter Your Lastname :Ausekar
Enter Your DOB :2000
Nikhil Ausekar 2000
PS N:\C++ Full Course\Assignment2>
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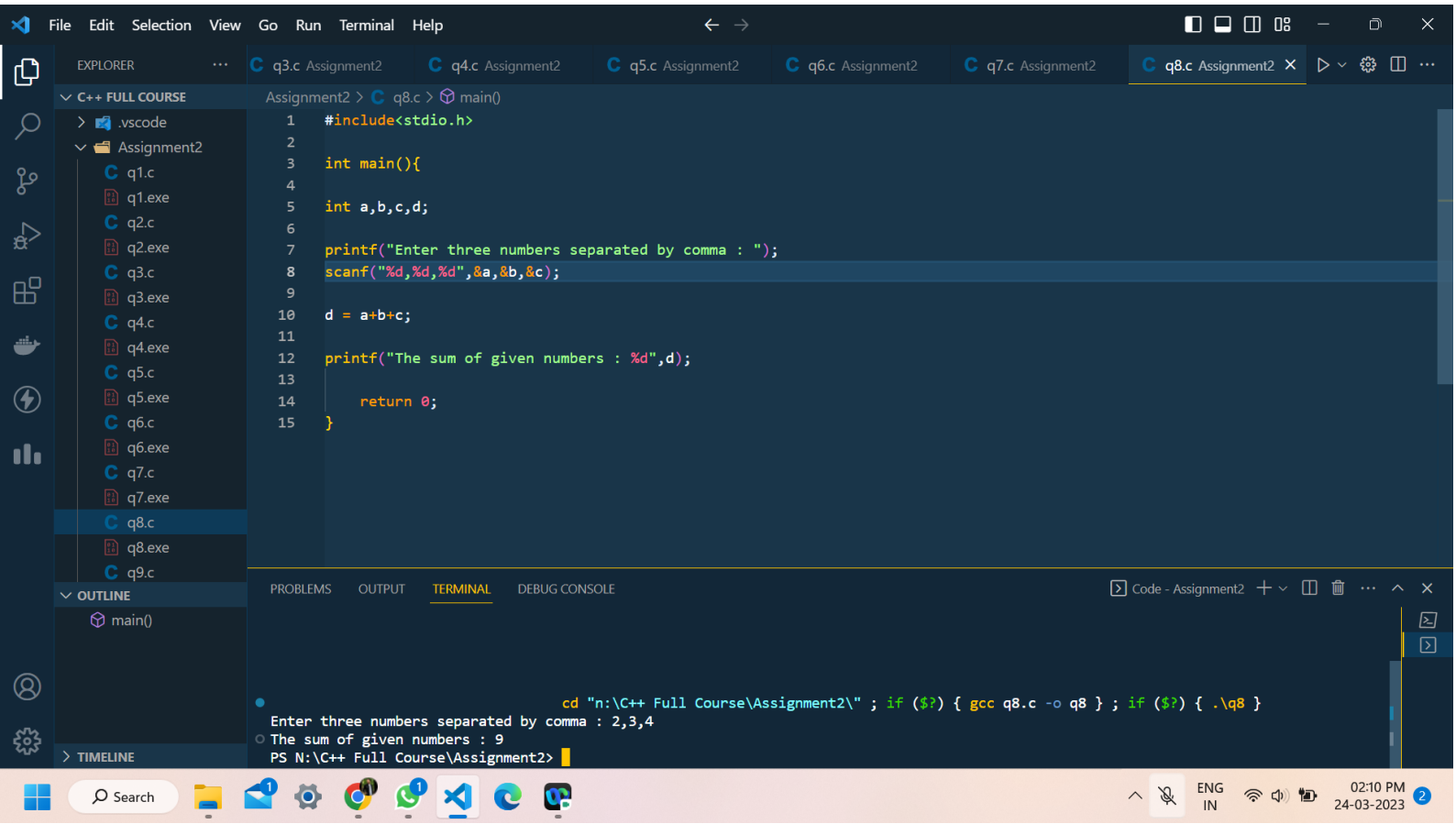
Q8)


File Edit Selection View Go Run Terminal Help
EXPLORER
q3.c Assignment2
q4.c Assignment2
q5.c Assignment2
q6.c Assignment2
q7.c Assignment2
q8.c Assignment2
C++ FULL COURSE
.vscode
Assignment2
q1.c
q1.exe
q2.c
q2.exe
q3.c
q3.exe
q4.c
q4.exe
q5.c
q5.exe
q6.c
q6.exe
q7.c
q7.exe
q8.c
q8.exe
q9.c
OUTLINE
main()
TIMELINE
Assignment2 > q8.c > main()
#include<stdio.h>
int main(){
int a,b,c,d;
printf("Enter three numbers separated by comma : ");
scanf("%d,%d,%d",&a,&b,&c);
d = a+b+c;
printf("The sum of given numbers : %d",d);
return 0;
}
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Code - Assignment2
cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q8.c -o q8 } ; if ($?) { .\q8 }
Enter three numbers separated by comma : 2,3,4
The sum of given numbers : 9
PS N:\C++ Full Course\Assignment2>
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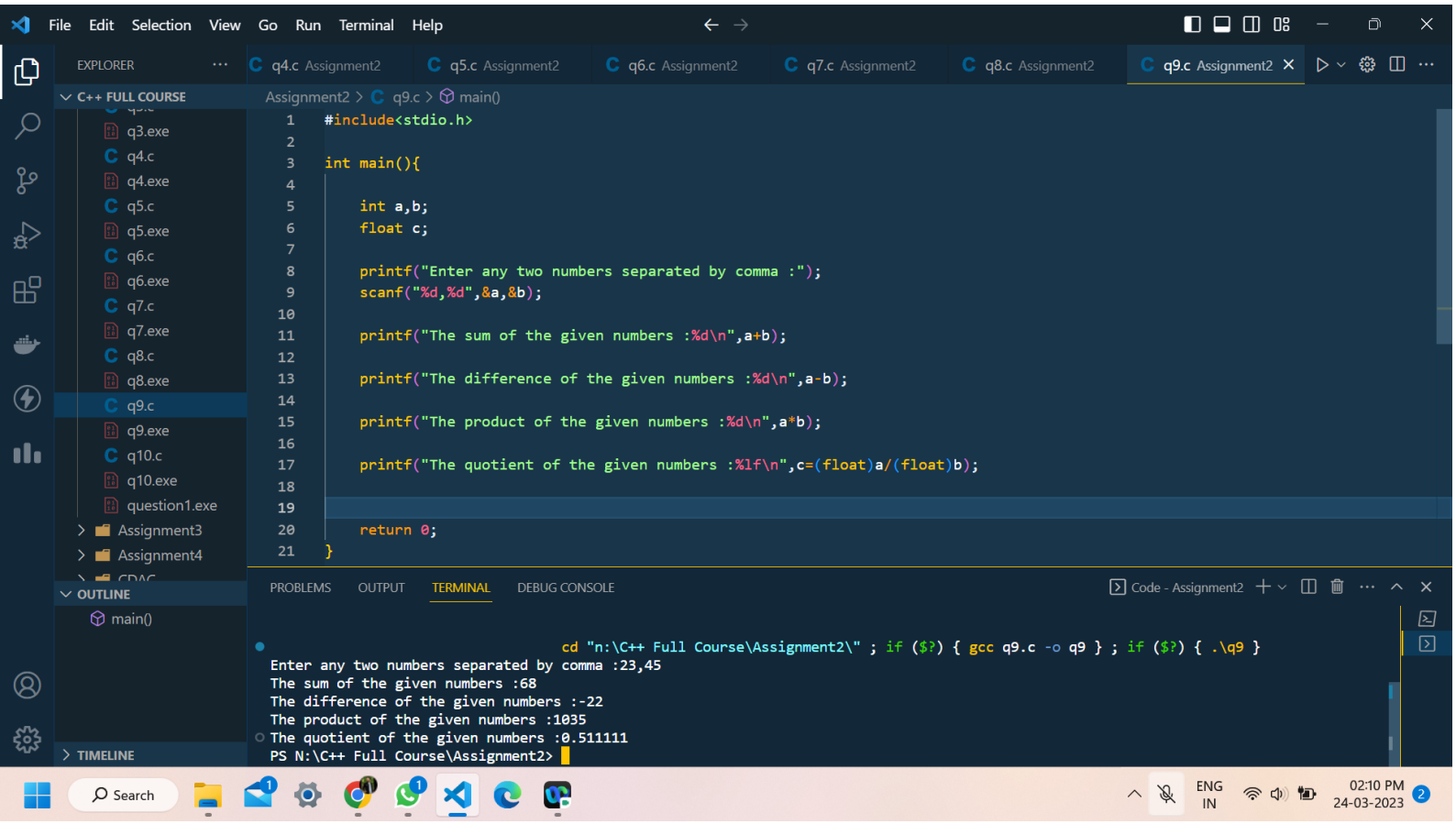
Q9)


File Edit Selection View Go Run Terminal Help
EXPLORER
q4.c Assignment2
q5.c Assignment2
q6.c Assignment2
q7.c Assignment2
q8.c Assignment2
q9.c Assignment2
C++ FULL COURSE
q3.exe
q4.c
q4.exe
q5.c
q5.exe
q6.c
q6.exe
q7.c
q7.exe
q8.c
q8.exe
q9.c
q9.exe
q10.c
q10.exe
question1.exe
Assignment3
Assignment4
Assignment2 > q9.c > main()
1 #include<stdio.h>
2
3 int main(){
4
5 int a,b;
6 float c;
7
8 printf("Enter any two numbers separated by comma :");
9 scanf("%d,%d",&a,&b);
10
11 printf("The sum of the given numbers :%d\n",a+b);
12
13 printf("The difference of the given numbers :%d\n",a-b);
14
15 printf("The product of the given numbers :%d\n",a*b);
16
17 printf("The quotient of the given numbers :%lf\n",c=(float)a/(float)b);
18
19
20 return 0;
21 }
OUTLINE
main()
TIMELINE
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Code - Assignment2
cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q9.c -o q9 } ; if ($?) { .\q9 }
Enter any two numbers separated by comma :23,45
The sum of the given numbers :68
The difference of the given numbers :-22
The product of the given numbers :1035
The quotient of the given numbers :0.511111
PS N:\C++ Full Course\Assignment2>
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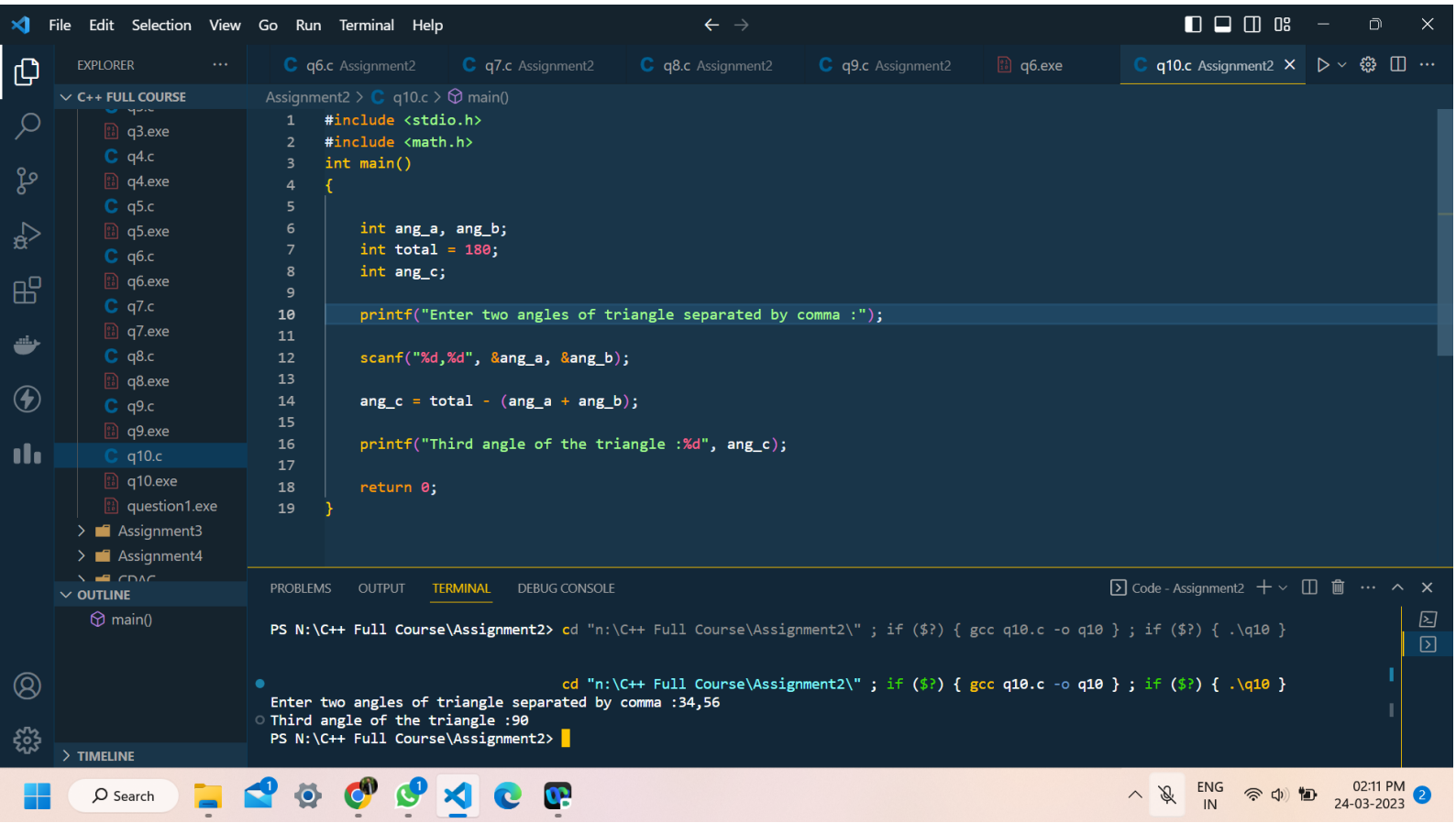
Q10)


File Edit Selection View Go Run Terminal Help
EXPLORER
C++ FULL COURSE
q3.exe
q4.c
q4.exe
q5.c
q5.exe
q6.c
q6.exe
q7.c
q7.exe
q8.c
q8.exe
q9.c
q9.exe
q10.c
q10.exe
question1.exe
Assignment3
Assignment4
OUTLINE
main()
TIMELINE
q6.c Assignment2
q7.c Assignment2
q8.c Assignment2
q9.c Assignment2
q6.exe
q10.c Assignment2
Assignment2 > q10.c > main()
#include <stdio.h>
#include <math.h>
int main()
{
int ang_a, ang_b;
int total = 180;
int ang_c;
printf("Enter two angles of triangle separated by comma :");
scanf("%d,%d", &ang_a, &ang_b);
ang_c = total - (ang_a + ang_b);
printf("Third angle of the triangle :%d", ang_c);
return 0;
}
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Code - Assignment2
PS N:\C++ Full Course\Assignment2> cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q10.c -o q10 } ; if ($?) { .\q10 }
cd "n:\C++ Full Course\Assignment2\" ; if ($?) { gcc q10.c -o q10 } ; if ($?) { .\q10 }
Enter two angles of triangle separated by comma :34,56
Third angle of the triangle :90
PS N:\C++ Full Course\Assignment2>
Search
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