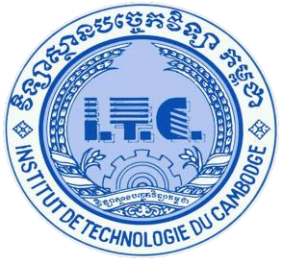

INSTITUT DE TECHNOLOGIE DU CAMBODGE

ASSIGNMENT TP1
ALGORITHM AND PROGRAMMING

LECTURER: BOU CHANNA

STUDENT'S NAME: *YIN SOKNARA*

ID: *e20191298*

GROUP: *I3-GIC(C)*

YEAR 2021-2022

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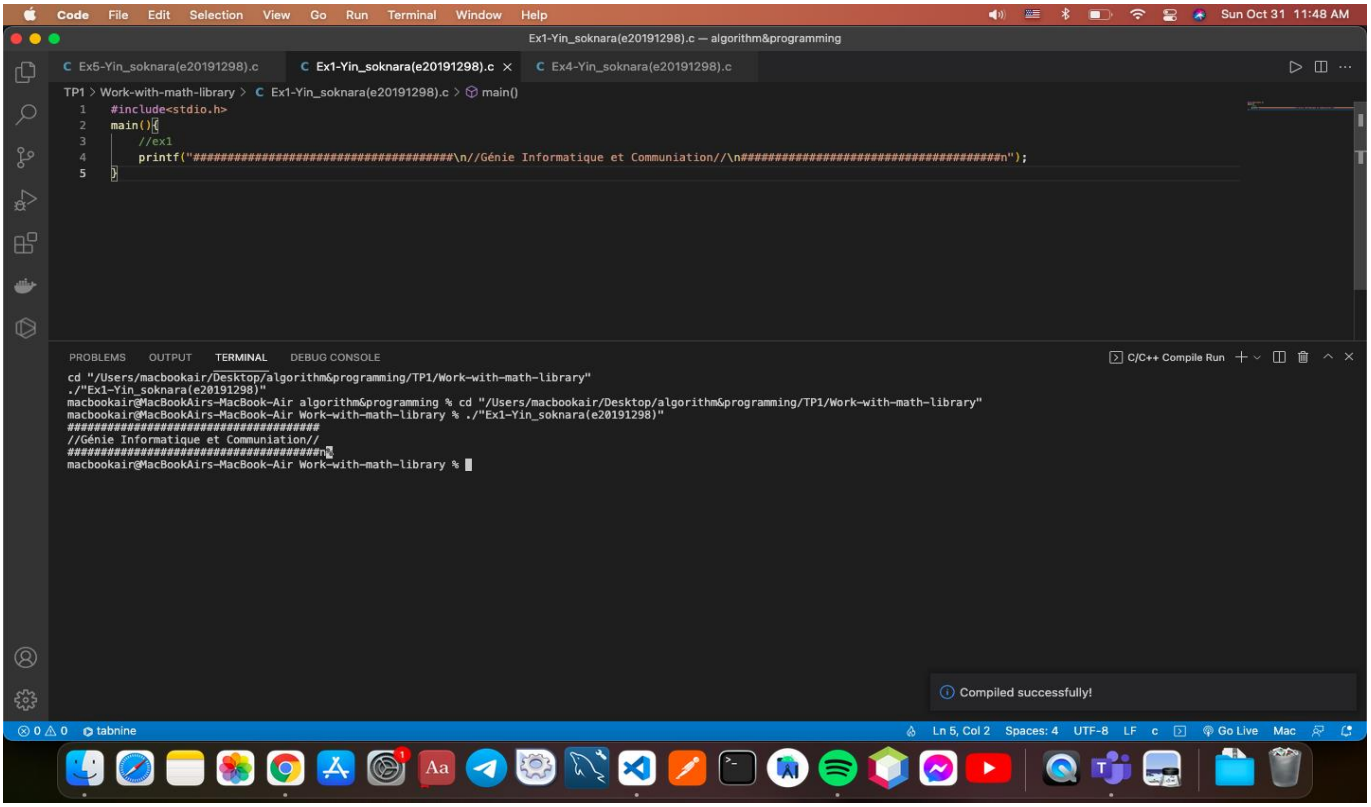
Code File Edit Selection View Go Run Terminal Window Help
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Ex1-Yin_soknara(e20191298).c — algorithm&programming
Ex5-Yin_soknara(e20191298).c
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Ex4-Yin_soknara(e20191298).c
TP1 > Work-with-math-library > Ex1-Yin_soknara(e20191298).c > main()
#include<stdio.h>
main(){
//ex1
printf("####################################\n//Génie Informatique et Communiation//\n####################################n");
}
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
C/C++ Compile Run
cd "/Users/macbookair/Desktop/algorithm&programming/TP1/Work-with-math-library"
./"Ex1-Yin_soknara(e20191298)"
macbookair@MacBookAirs-MacBook-Air algorithm&programming % cd "/Users/macbookair/Desktop/algorithm&programming/TP1/Work-with-math-library"
macbookair@MacBookAirs-MacBook-Air Work-with-math-library % ./"Ex1-Yin_soknara(e20191298)"
####################################
//Génie Informatique et Communiation//
####################################n
macbookair@MacBookAirs-MacBook-Air Work-with-math-library %
Compiled successfully!
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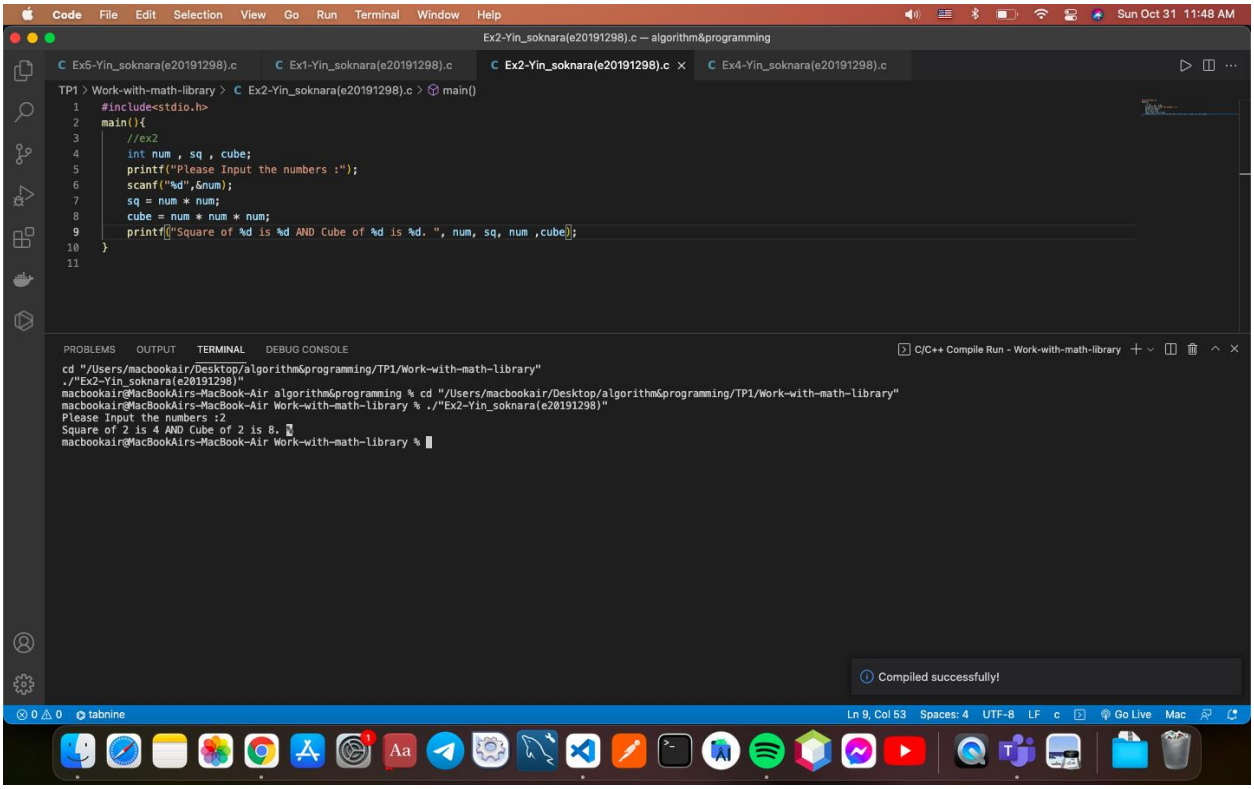
Ln 5, Col 2 Spaces: 4 UTF-8 LF c Go Live Mac

Ex2: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Ex4-Yin_soknara(e20191298).c
TP1 > Work-with-math-library > Ex2-Yin_soknara(e20191298).c > main()
#include<stdio.h>
main(){
//ex2
int num , sq , cube;
printf("Please Input the numbers :");
scanf("%d",&num);
sq = num * num;
cube = num * num * num;
printf("Square of %d is %d AND Cube of %d is %d. ", num, sq, num ,cube);
}
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
C/C++ Compile Run - Work-with-math-library
cd "/Users/macbookair/Desktop/algorithm&programming/TP1/Work-with-math-library"
./"Ex2-Yin_soknara(e20191298)"
macbookair@MacBookAirs-MacBook-Air algorithm&programming % cd "/Users/macbookair/Desktop/algorithm&programming/TP1/Work-with-math-library"
macbookair@MacBookAirs-MacBook-Air Work-with-math-library % ./"Ex2-Yin_soknara(e20191298)"
Please Input the numbers :2
Square of 2 is 4 AND Cube of 2 is 8.
macbookair@MacBookAirs-MacBook-Air Work-with-math-library %
Compiled successfully!
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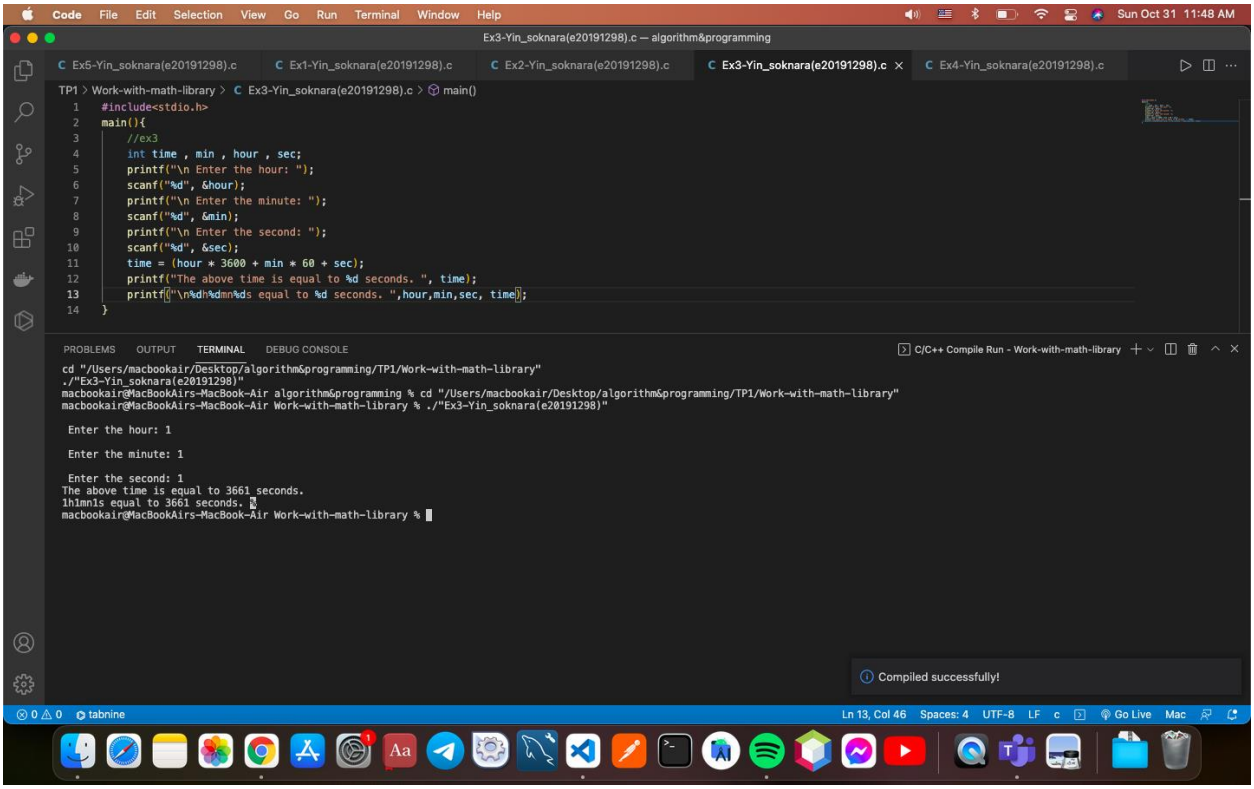
Ln 9, Col 53 Spaces: 4 UTF-8 LF c Go Live Mac

Ex3: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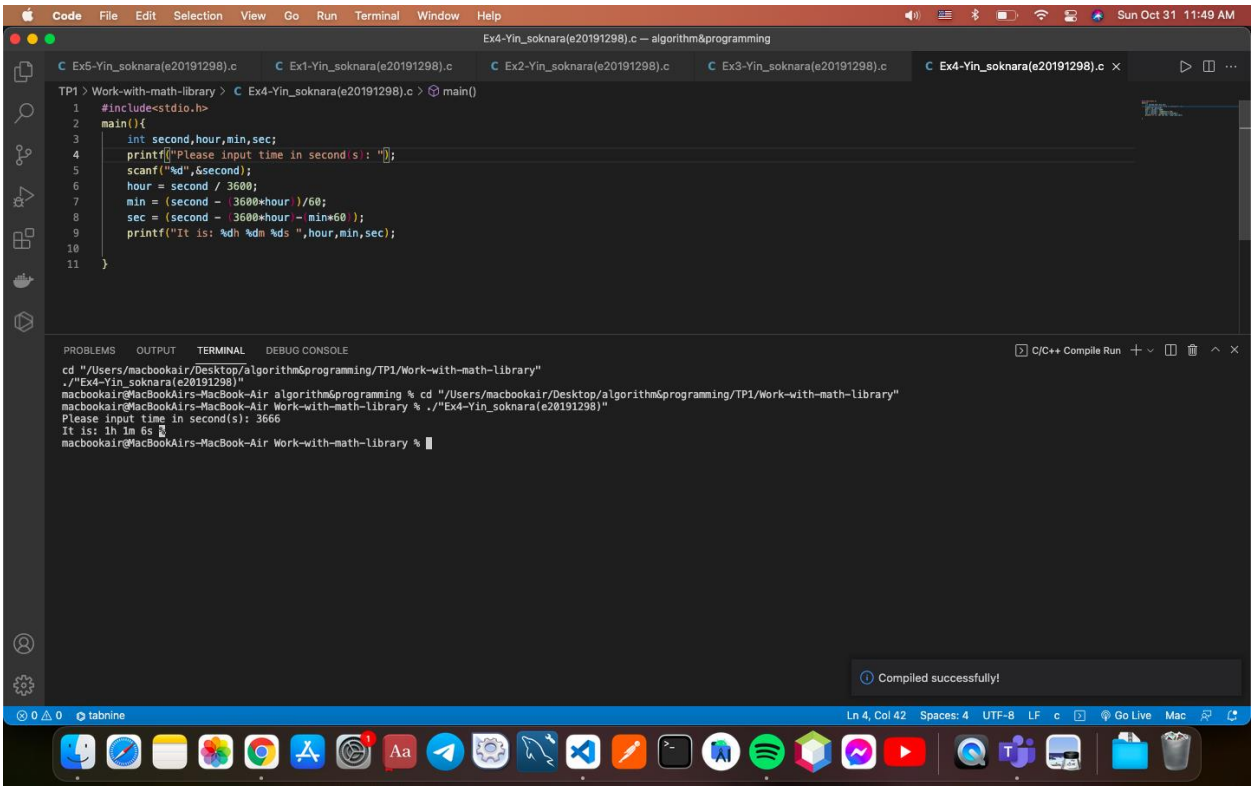
#include<stdio.h>
main(){
//ex3
int time , min , hour , sec;
printf("\n Enter the hour: ");
scanf("%d", &hour);
printf("\n Enter the minute: ");
scanf("%d", &min);
printf("\n Enter the second: ");
scanf("%d", &sec);
time = (hour * 3600 + min * 60 + sec);
printf("The above time is equal to %d seconds. ", time);
printf("\n%dh%dmn%ds equal to %d seconds. ",hour,min,sec, time);
}
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
C/C++ Compile Run - Work-with-math-library
cd "/Users/macbookair/Desktop/algorithm&programming/TP1/Work-with-math-library"
./"Ex3-Yin_soknara(e20191298)"
macbookair@MacBookAirs-MacBook-Air algorithm&programming % cd "/Users/macbookair/Desktop/algorithm&programming/TP1/Work-with-math-library"
macbookair@MacBookAirs-MacBook-Air Work-with-math-library % ./"Ex3-Yin_soknara(e20191298)"
Enter the hour: 1
Enter the minute: 1
Enter the second: 1
The above time is equal to 3661 seconds.
1h1mn1s equal to 3661 seconds.
macbookair@MacBookAirs-MacBook-Air Work-with-math-library %
Compiled successfully!
tabnine
Ln 13, Col 46 Spaces: 4 UTF-8 LF c Go Live Mac

Ex4: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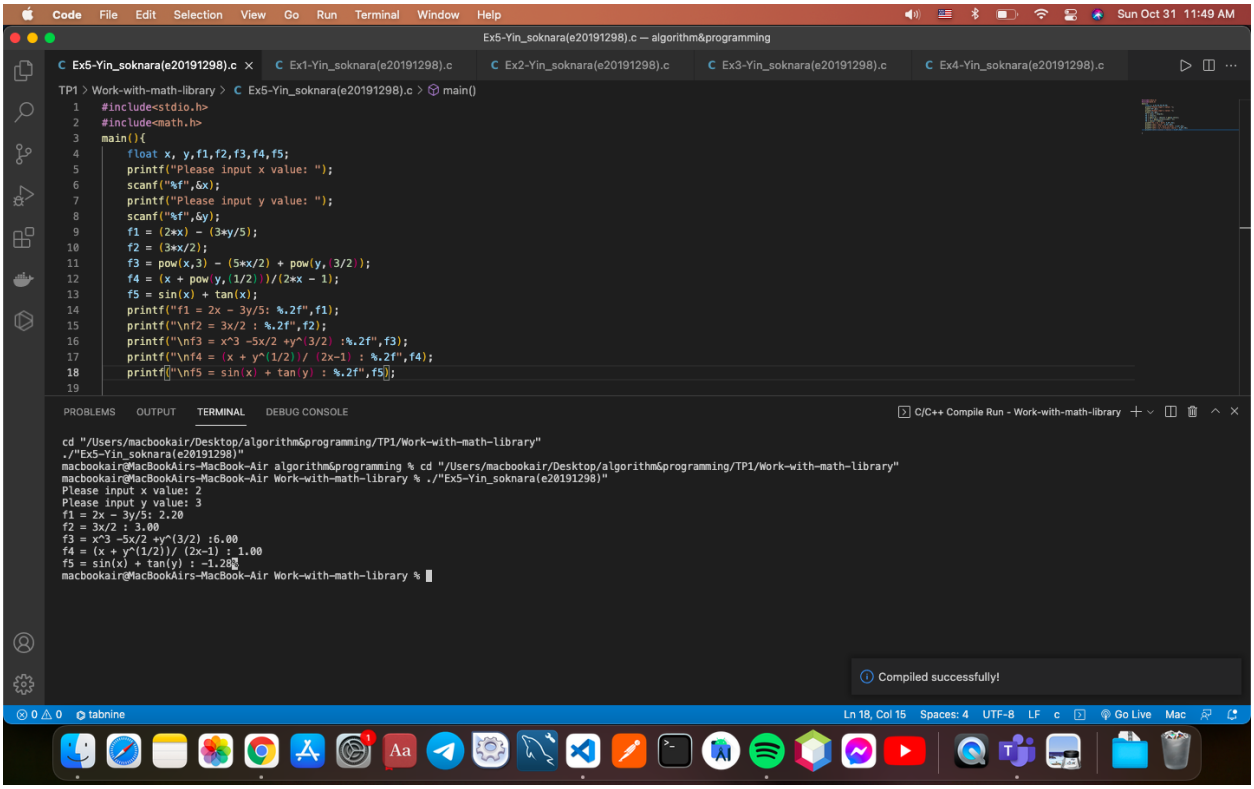
TP1 > Work-with-math-library > Ex4-Yin_soknara(e20191298).c > main()
#include<stdio.h>
main(){
int second,hour,min,sec;
printf("Please input time in second(s): ");
scanf("%d",&second);
hour = second / 3600;
min = (second - (3600*hour))/60;
sec = (second - (3600*hour)-(min*60));
printf("It is: %dh %dm %ds ",hour,min,sec);
}
PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
C/C++ Compile Run
cd "/Users/macbookair/Desktop/algorithm&programming/TP1/Work-with-math-library"
./"Ex4-Yin_soknara(e20191298)"
macbookair@MacBookAirs-MacBook-Air algorithm&programming % cd "/Users/macbookair/Desktop/algorithm&programming/TP1/Work-with-math-library"
macbookair@MacBookAirs-MacBook-Air Work-with-math-library % ./"Ex4-Yin_soknara(e20191298)"
Please input time in second(s): 3666
It is: 1h 1m 6s
macbookair@MacBookAirs-MacBook-Air Work-with-math-library %
Compiled successfully!
tabnine
Ln 4, Col 42
Spaces: 4
UTF-8
LF
c
Go Live
Mac

Ex5:


Code File Edit Selection View Go Run Terminal Window Help
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Ex4-Yin_soknara(e20191298).c
TP1 > Work-with-math-library > Ex5-Yin_soknara(e20191298).c > main()
#include<stdio.h>
#include<math.h>
main(){
float x, y,f1,f2,f3,f4,f5;
printf("Please input x value: ");
scanf("%f",&x);
printf("Please input y value: ");
scanf("%f",&y);
f1 = (2*x) - (3*y/5);
f2 = (3*x/2);
f3 = pow(x,3) - (5*x/2) + pow(y,3/2);
f4 = (x + pow(y,(1/2)))/(2*x - 1);
f5 = sin(x) + tan(x);
printf("f1 = 2x - 3y/5: %.2f",f1);
printf("\nf2 = 3x/2 : %.2f",f2);
printf("\nf3 = x^3 -5x/2 +y^(3/2) :%.2f",f3);
printf("\nf4 = (x + y^(1/2))/ (2x-1) : %.2f",f4);
printf("\nf5 = sin(x) + tan(y) : %.2f",f5);
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
C/C++ Compile Run - Work-with-math-library
cd "/Users/macbookair/Desktop/algorithm&programming/TP1/Work-with-math-library"
./"Ex5-Yin_soknara(e20191298)"
macbookair@MacBookAirs-MacBook-Air algorithm&programming % cd "/Users/macbookair/Desktop/algorithm&programming/TP1/Work-with-math-library"
macbookair@MacBookAirs-MacBook-Air Work-with-math-library % ./"Ex5-Yin_soknara(e20191298)"
Please input x value: 2
Please input y value: 3
f1 = 2x - 3y/5: 2.20
f2 = 3x/2 : 3.00
f3 = x^3 -5x/2 +y^(3/2) :6.00
f4 = (x + y^(1/2))/ (2x-1) : 1.00
f5 = sin(x) + tan(y) : -1.28
macbookair@MacBookAirs-MacBook-Air Work-with-math-library %
Compiled successfully!
Ln 18, Col 15 Spaces: 4 UTF-8 LF c Go Live Mac