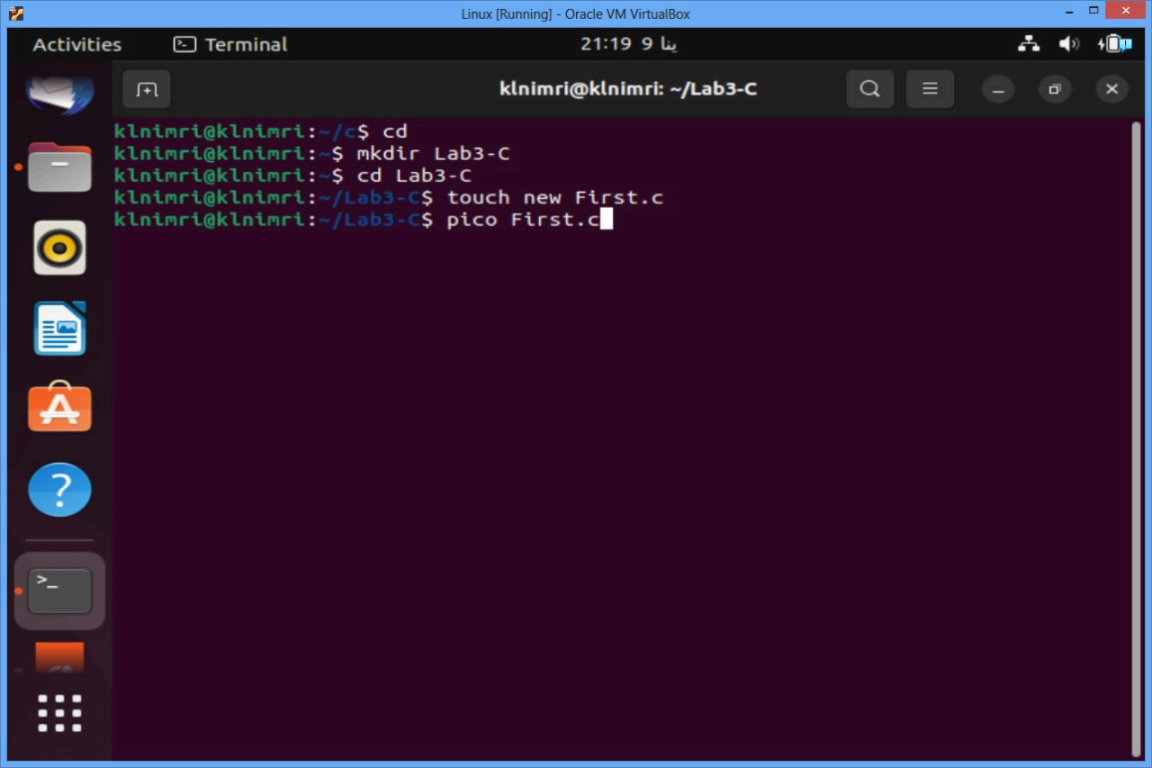
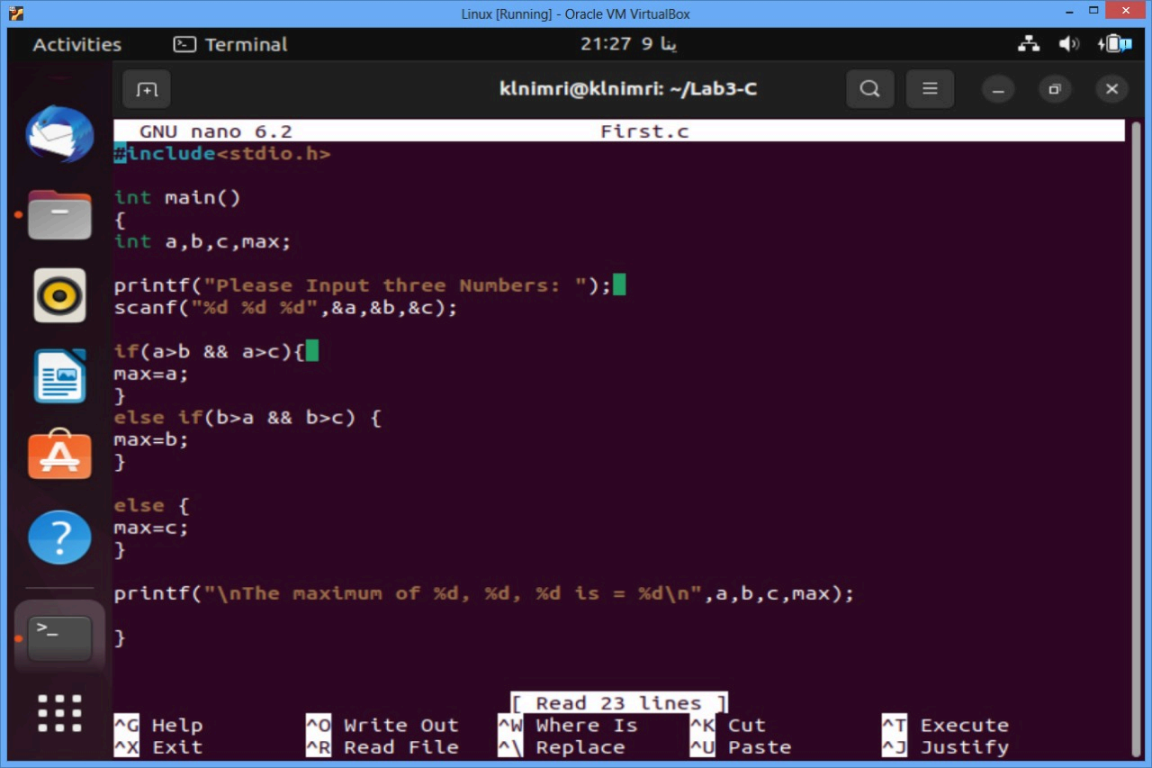
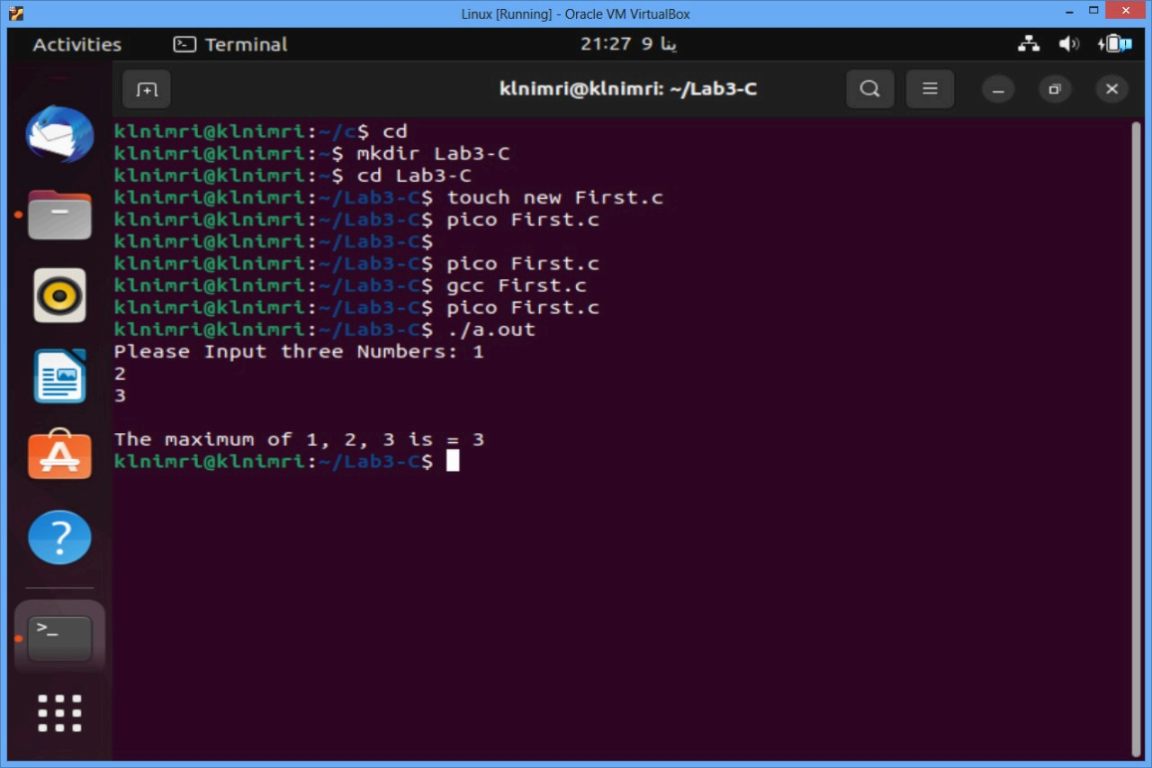
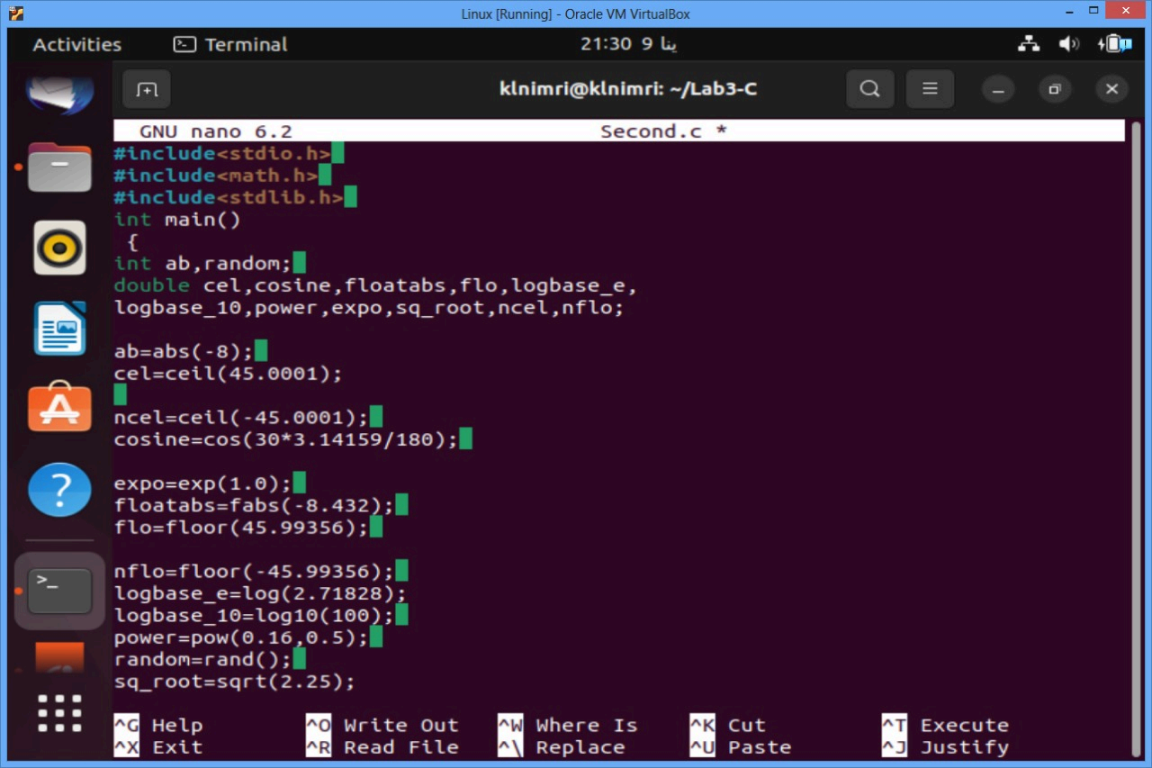
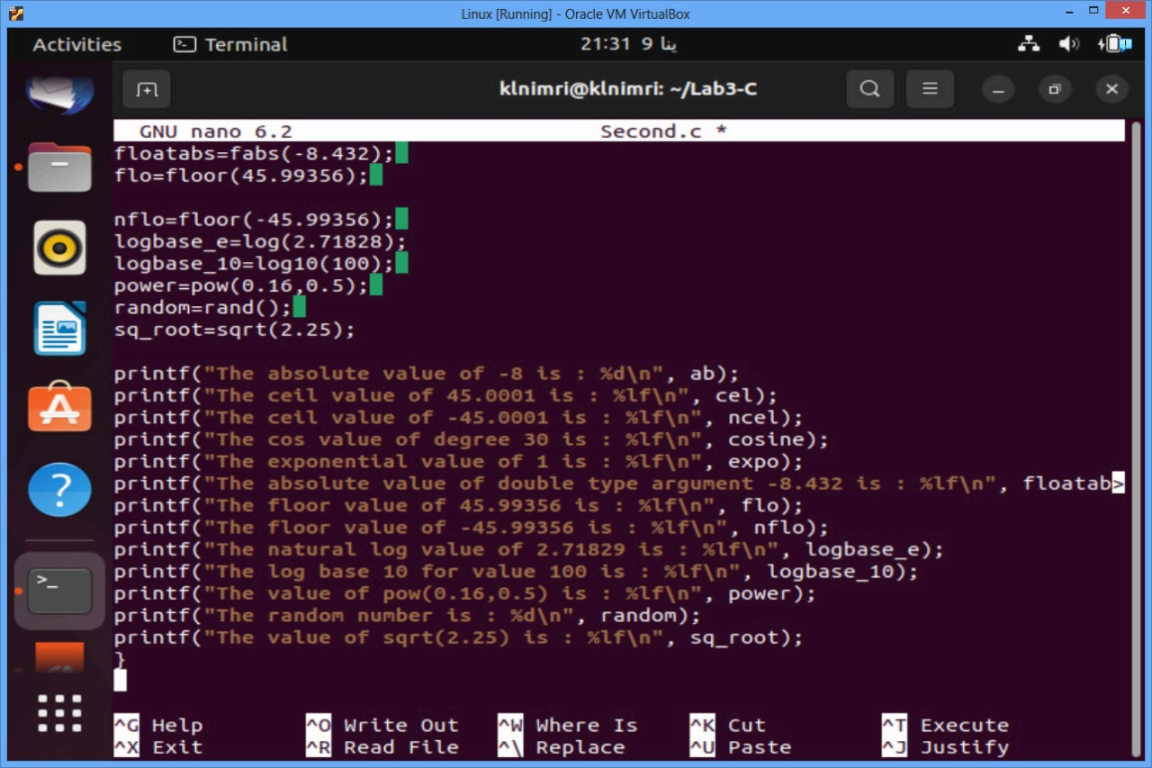

Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
21:19 9 يناير
klnimri@klnimri: ~/Lab3-C
klnimri@klnimri:~/c$ cd
klnimri@klnimri:~$ mkdir Lab3-C
klnimri@klnimri:~$ cd Lab3-C
klnimri@klnimri:~/Lab3-C$ touch new First.c
klnimri@klnimri:~/Lab3-C$ pico First.c

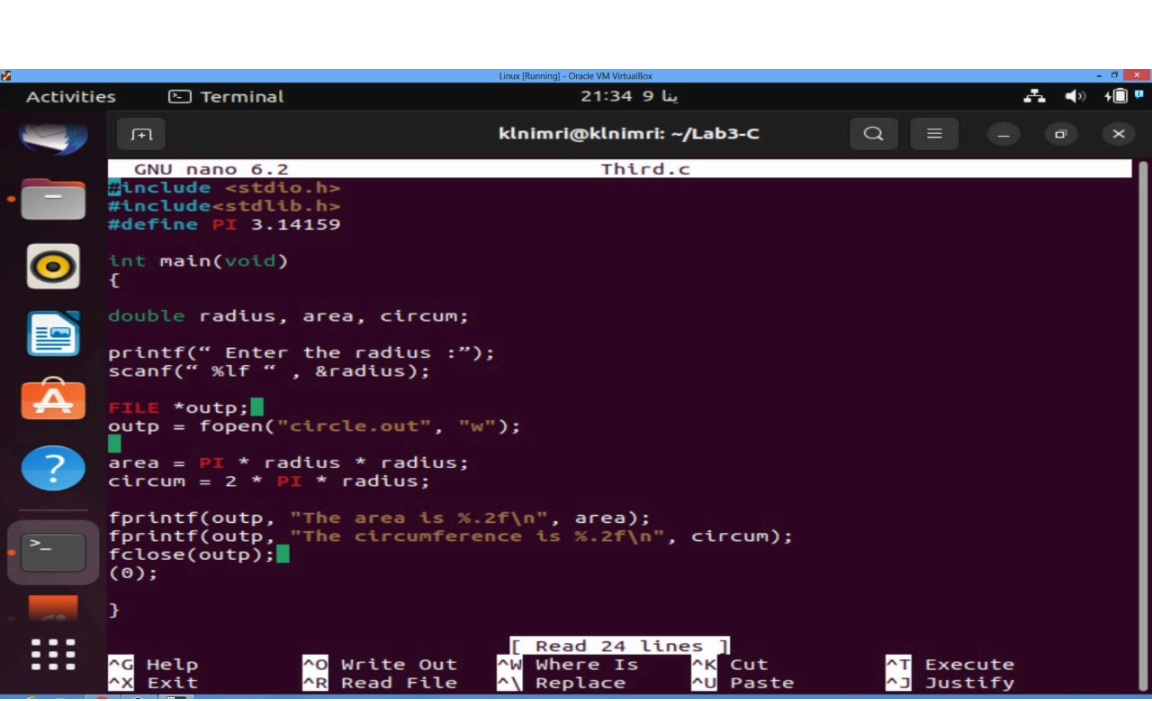

Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
21:27 9 يناير
klnimri@klnimri: ~/Lab3-C
GNU nano 6.2
First.c
#include<stdio.h>
int main()
{
int a,b,c,max;
printf("Please Input three Numbers: ");
scanf("%d %d %d",&a,&b,&c);
if(a>b && a>c){
max=a;
}
else if(b>a && b>c) {
max=b;
}
else {
max=c;
}
printf("\nThe maximum of %d, %d, %d is = %d\n",a,b,c,max);
}
[Read 23 lines]
^G Help
^O Write Out
^W Where Is
^K Cut
^T Execute
^X Exit
^R Read File
^\ Replace
^U Paste
^J Justify

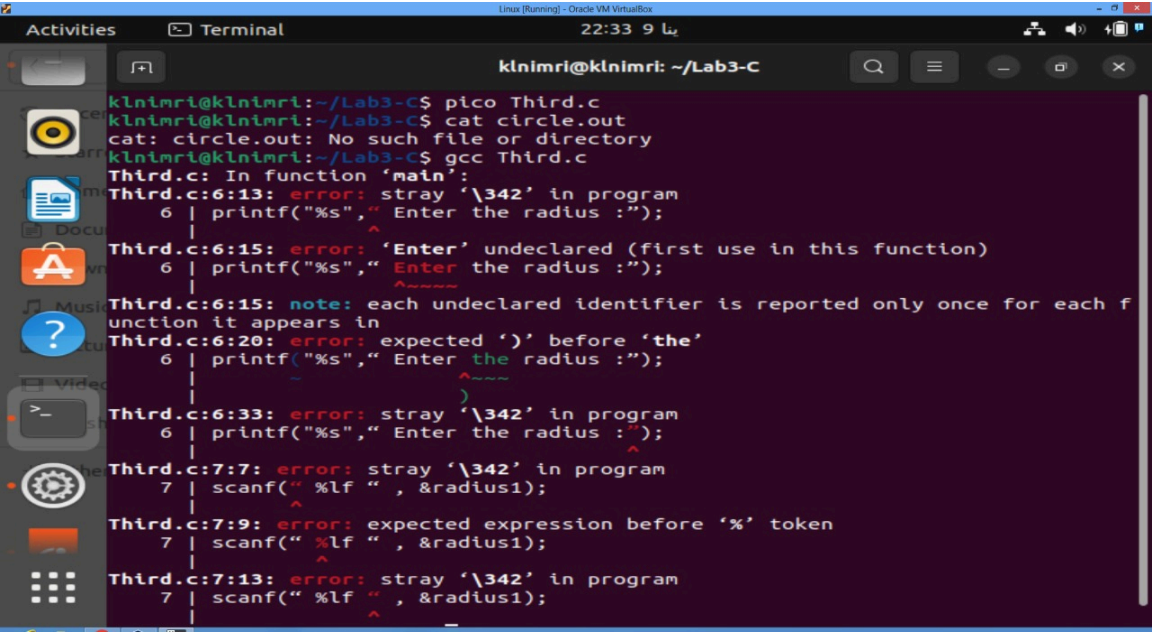

Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
21:27 9 ينا
klnimri@klnimri: ~/Lab3-C
klnimri@klnimri:~/c$ cd
klnimri@klnimri:~$ mkdir Lab3-C
klnimri@klnimri:~$ cd Lab3-C
klnimri@klnimri:~/Lab3-C$ touch new First.c
klnimri@klnimri:~/Lab3-C$ pico First.c
klnimri@klnimri:~/Lab3-C$
klnimri@klnimri:~/Lab3-C$ pico First.c
klnimri@klnimri:~/Lab3-C$ gcc First.c
klnimri@klnimri:~/Lab3-C$ pico First.c
klnimri@klnimri:~/Lab3-C$ ./a.out
Please Input three Numbers: 1
2
3
The maximum of 1, 2, 3 is = 3
klnimri@klnimri:~/Lab3-C$

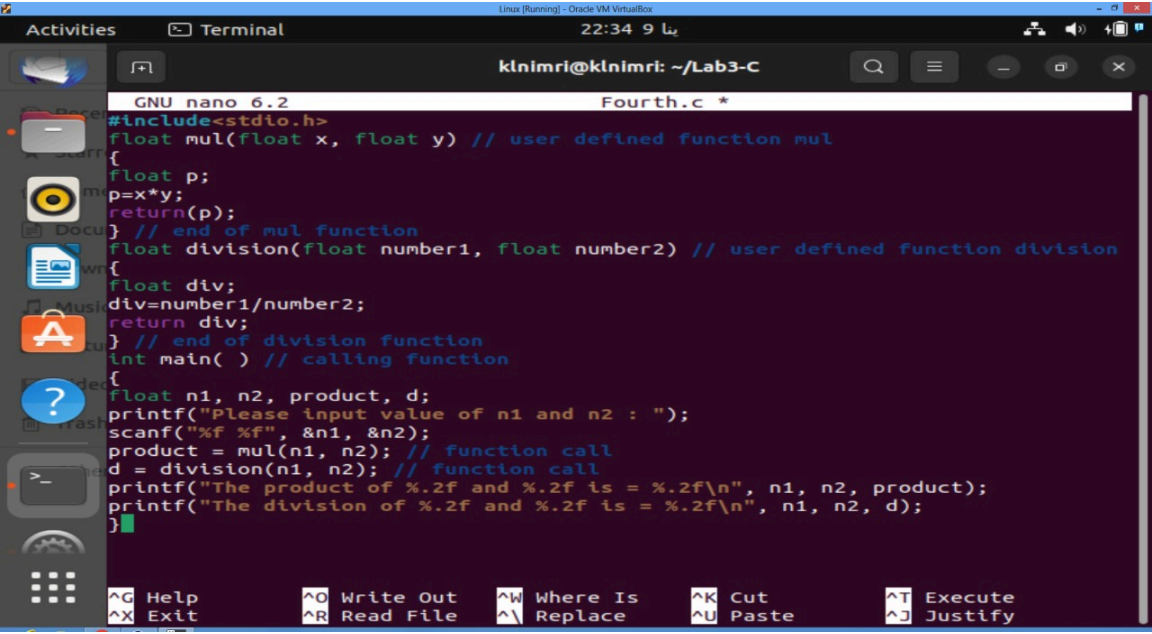

Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
21:30 9 يناير
klnimri@klnimri: ~/Lab3-C
GNU nano 6.2 Second.c *
#include<stdio.h>
#include<math.h>
#include<stdlib.h>
int main()
{
int ab,random;
double cel,cosine,floatabs,flo,logbase_e,
logbase_10,power,expo,sq_root,ncel,nflo;
ab=abs(-8);
cel=ceil(45.0001);
ncel=ceil(-45.0001);
cosine=cos(30*3.14159/180);
expo=exp(1.0);
floatabs=fabs(-8.432);
flo=floor(45.99356);
nflo=floor(-45.99356);
logbase_e=log(2.71828);
logbase_10=log10(100);
power=pow(0.16,0.5);
random=rand();
sq_root=sqrt(2.25);
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify

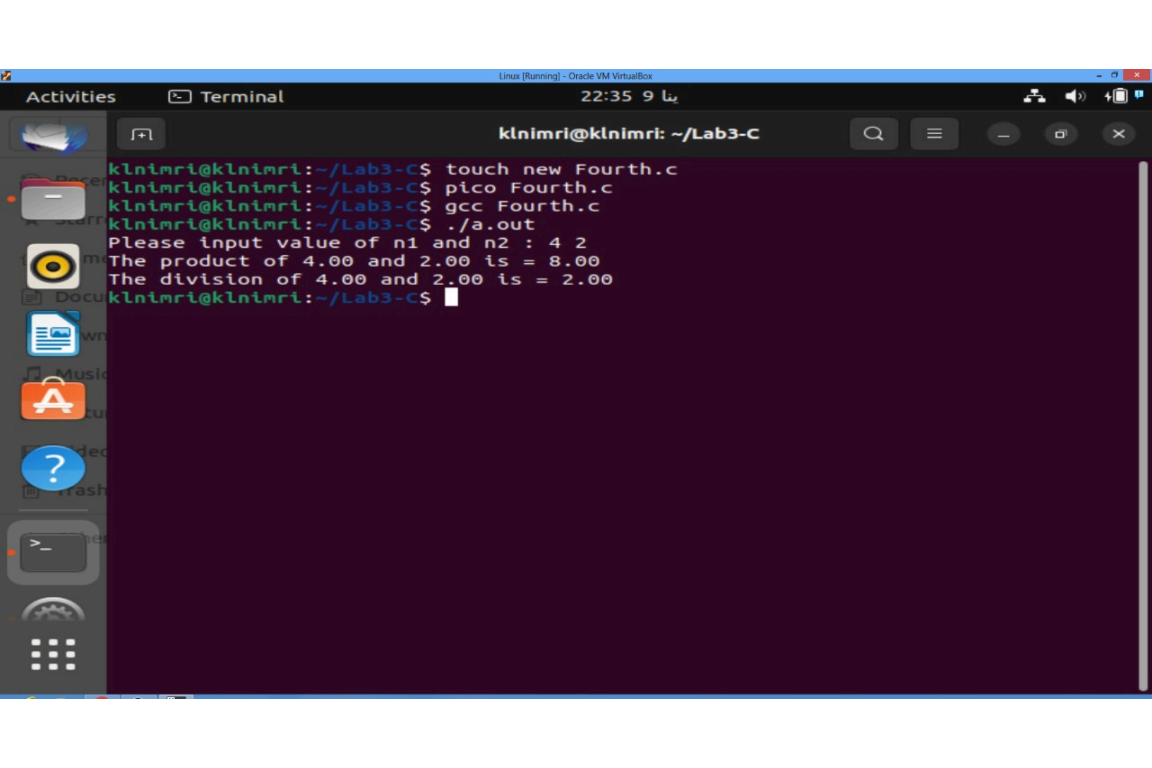

Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
21:31 9 يناير
klnimri@klnimri: ~/Lab3-C
GNU nano 6.2 Second.c *
floatabs=fabs(-8.432);
flo=floor(45.99356);
nflo=floor(-45.99356);
logbase_e=log(2.71828);
logbase_10=log10(100);
power=pow(0.16,0.5);
random=rand();
sq_root=sqrt(2.25);
printf("The absolute value of -8 is : %d\n", ab);
printf("The ceil value of 45.0001 is : %lf\n", cel);
printf("The ceil value of -45.0001 is : %lf\n", ncel);
printf("The cos value of degree 30 is : %lf\n", cosine);
printf("The exponential value of 1 is : %lf\n", expo);
printf("The absolute value of double type argument -8.432 is : %lf\n", floatab
printf("The floor value of 45.99356 is : %lf\n", flo);
printf("The floor value of -45.99356 is : %lf\n", nflo);
printf("The natural log value of 2.71829 is : %lf\n", logbase_e);
printf("The log base 10 for value 100 is : %lf\n", logbase_10);
printf("The value of pow(0.16,0.5) is : %lf\n", power);
printf("The random number is : %d\n", random);
printf("The value of sqrt(2.25) is : %lf\n", sq_root);
}
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify

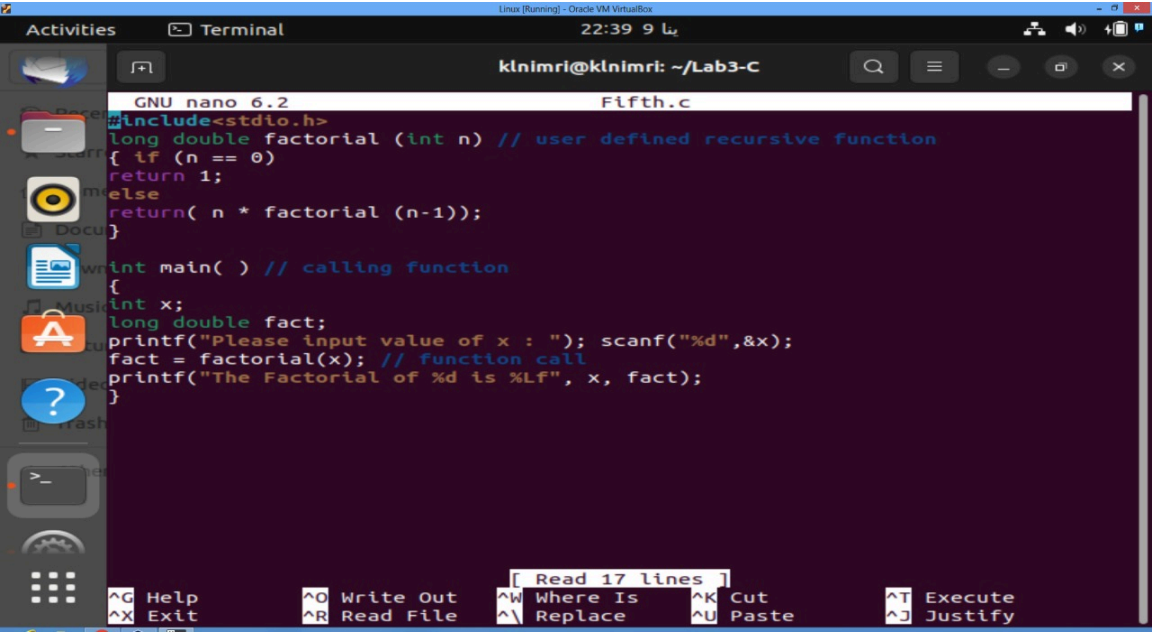
```
klnimri@klnimri:~/Lab3-C$ pico First.c
klnimri@klnimri:~/Lab3-C$
klnimri@klnimri:~/Lab3-C$ pico First.c
klnimri@klnimri:~/Lab3-C$ gcc First.c
klnimri@klnimri:~/Lab3-C$ pico First.c
klnimri@klnimri:~/Lab3-C$ ./a.out
Please Input three Numbers: 1
2
3

The maximum of 1, 2, 3 is = 3
klnimri@klnimri:~/Lab3-C$ touch new Second.c
klnimri@klnimri:~/Lab3-C$ pico Second.c
klnimri@klnimri:~/Lab3-C$ gcc Second.c
klnimri@klnimri:~/Lab3-C$ ./a.out
The absolute value of -8 is : 8
The ceil value of 45.0001 is : 46.000000
The ceil value of -45.0001 is : -45.000000
The cos value of degree 30 is : 0.866026
The exponential value of 1 is : 2.718282
The absolute value of double type argument -8.432 is : 8.432000
The floor value of 45.99356 is : 45.000000
The floor value of -45.99356 is : -46.000000
The natural log value of 2.71829 is : 0.999999
The log base 10 for value 100 is : 2.000000
The value of pow(0.16,0.5) is : 0.400000
The random number is : 1804289383
The value of sqrt(2.25) is : 1.500000
klnimri@klnimri:~/Lab3-C$
```

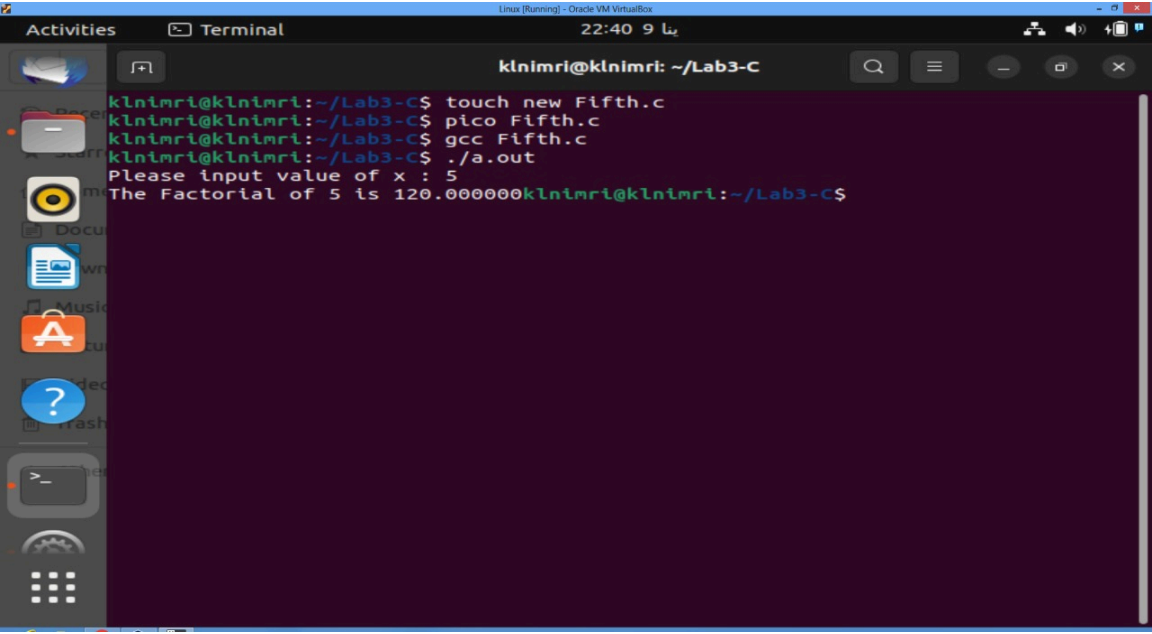

Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
21:34 9 ينا
klnimri@klnimri: ~/Lab3-C
GNU nano 6.2
Third.c
#include <stdio.h>
#include<stdlib.h>
#define PI 3.14159
int main(void)
{
double radius, area, circum;
printf(" Enter the radius :");
scanf(" %lf " , &radius);
FILE *outp;
outp = fopen("circle.out", "w");
area = PI * radius * radius;
circum = 2 * PI * radius;
fprintf(outp, "The area is %.2f\n", area);
fprintf(outp, "The circumference is %.2f\n", circum);
fclose(outp);
(0);
}
[Read 24 lines]
^G Help
^O Write Out
^W Where Is
^K Cut
^T Execute
^X Exit
^R Read File
^\ Replace
^U Paste
^J Justify

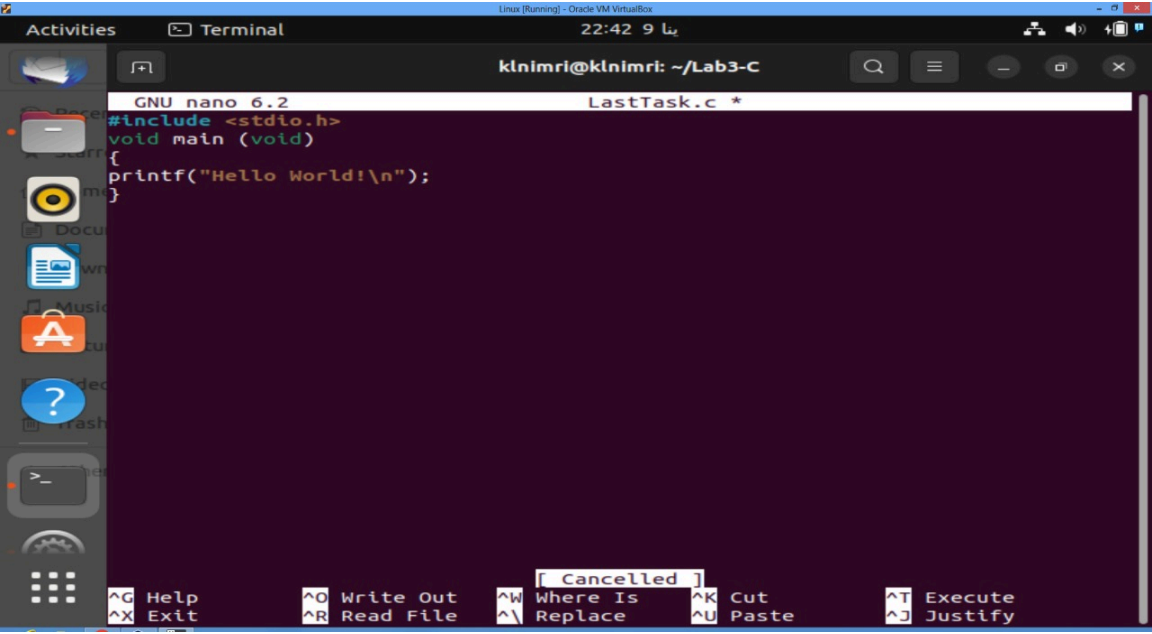

Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
22:33 9 ينا
klnimri@klnimri: ~/Lab3-C
klnimri@klnimri:~/Lab3-C$ pico Third.c
klnimri@klnimri:~/Lab3-C$ cat circle.out
cat: circle.out: No such file or directory
klnimri@klnimri:~/Lab3-C$ gcc Third.c
Third.c: In function ‘main’:
Third.c:6:13: error: stray ‘\342’ in program
6 | printf("%s",“ Enter the radius :”);
Third.c:6:15: error: ‘Enter’ undeclared (first use in this function)
6 | printf("%s",“ Enter the radius :”);
Third.c:6:15: note: each undeclared identifier is reported only once for each function it appears in
Third.c:6:20: error: expected ‘)’ before ‘the’
6 | printf("%s",“ Enter the radius :”);
Third.c:6:33: error: stray ‘\342’ in program
6 | printf("%s",“ Enter the radius :”);
Third.c:7:7: error: stray ‘\342’ in program
7 | scanf(“ %lf “ , &radius1);
Third.c:7:9: error: expected expression before ‘%’ token
7 | scanf(“ %lf “ , &radius1);
Third.c:7:13: error: stray ‘\342’ in program
7 | scanf(“ %lf “ , &radius1);

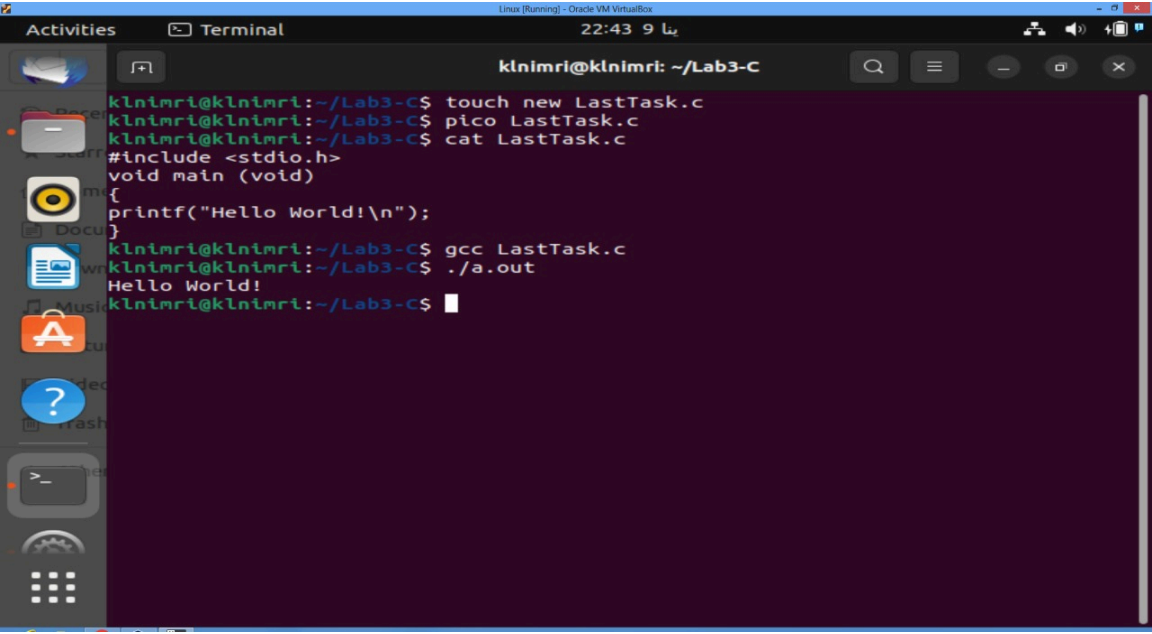

Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
22:34 9 ينا
klnimri@klnimri: ~/Lab3-C
GNU nano 6.2 Fourth.c *
#include<stdio.h>
float mul(float x, float y) // user defined function mul
{
float p;
p=x*y;
return(p);
} // end of mul function
float division(float number1, float number2) // user defined function division
{
float div;
div=number1/number2;
return div;
} // end of division function
int main( ) // calling function
{
float n1, n2, product, d;
printf("Please input value of n1 and n2 : ");
scanf("%f %f", &n1, &n2);
product = mul(n1, n2); // function call
d = division(n1, n2); // function call
printf("The product of %.2f and %.2f is = %.2f\n", n1, n2, product);
printf("The division of %.2f and %.2f is = %.2f\n", n1, n2, d);
}
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify


Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
22:35 9 ينا
klnimri@klnimri: ~/Lab3-C
klnimri@klnimri:~/Lab3-C$ touch new Fourth.c
klnimri@klnimri:~/Lab3-C$ pico Fourth.c
klnimri@klnimri:~/Lab3-C$ gcc Fourth.c
klnimri@klnimri:~/Lab3-C$ ./a.out
Please input value of n1 and n2 : 4 2
The product of 4.00 and 2.00 is = 8.00
The division of 4.00 and 2.00 is = 2.00
klnimri@klnimri:~/Lab3-C$


Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
22:39 9 ينا
klnimri@klnimri: ~/Lab3-C
GNU nano 6.2
Fifth.c
#include<stdio.h>
long double factorial (int n) // user defined recursive function
{ if (n == 0)
return 1;
else
return(n * factorial (n-1));
}
int main( ) // calling function
{
int x;
long double fact;
printf("Please input value of x : "); scanf("%d",&x);
fact = factorial(x); // function call
printf("The Factorial of %d is %Lf", x, fact);
}
[Read 17 lines]
^G Help
^O Write Out
^W Where Is
^K Cut
^T Execute
^X Exit
^R Read File
^\ Replace
^U Paste
^J Justify


Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
22:40 9 ينا
klnimri@klnimri: ~/Lab3-C
klnimri@klnimri:~/Lab3-C$ touch new Fifth.c
klnimri@klnimri:~/Lab3-C$ pico Fifth.c
klnimri@klnimri:~/Lab3-C$ gcc Fifth.c
klnimri@klnimri:~/Lab3-C$ ./a.out
Please input value of x : 5
The Factorial of 5 is 120.000000klnimri@klnimri:~/Lab3-C$


Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
22:42 9 ينا
klnimri@klnimri: ~/Lab3-C
GNU nano 6.2
LastTask.c *
#include <stdio.h>
void main (void)
{
printf("Hello World!\n");
}
[Cancelled]
^G Help
^O Write Out
^W Where Is
^K Cut
^T Execute
^X Exit
^R Read File
^\ Replace
^U Paste
^J Justify


Linux [Running] - Oracle VM VirtualBox
Activities
Terminal
22:43 9 يناير
klnimri@klnimri: ~/Lab3-C
klnimri@klnimri:~/Lab3-C$ touch new LastTask.c
klnimri@klnimri:~/Lab3-C$ pico LastTask.c
klnimri@klnimri:~/Lab3-C$ cat LastTask.c
#include <stdio.h>
void main (void)
{
printf("Hello World!\n");
}
klnimri@klnimri:~/Lab3-C$ gcc LastTask.c
klnimri@klnimri:~/Lab3-C$ ./a.out
Hello World!
klnimri@klnimri:~/Lab3-C$