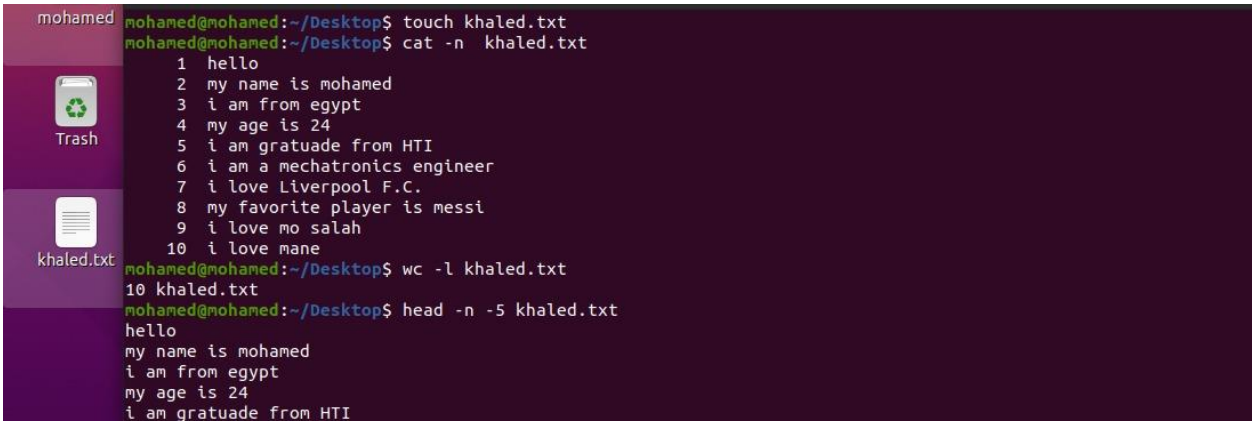
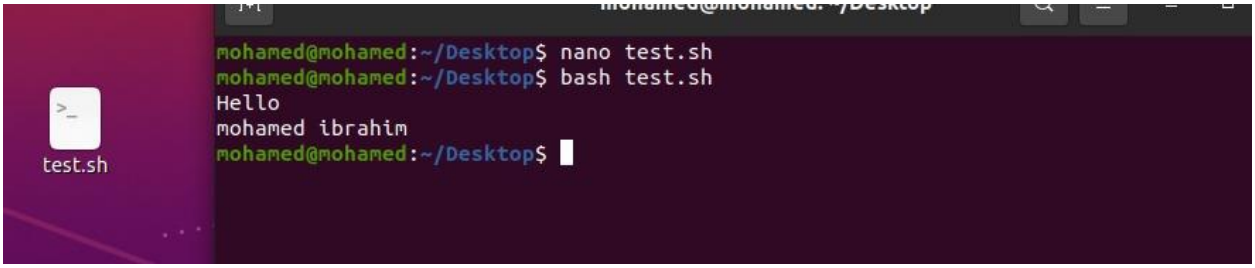
1-Create a file let’s say “khaled.txt” inside the file add more than 10 lines, you can use or download any file: by using commands lines

1. counts the number of lines inside the files.
2. prints the first 5 lines.
3. outputs the last 10 lines.
4. sorts the input lines alphabeticall.



2-Setting your own variable:
Let's learn how to set your own **variables** inside the script file…
1. First variable "Hello" Second variable "Your Name", You should add 2 variables inside your script and run the script showing "Hello Your Name".
Note: don't use **echo.**

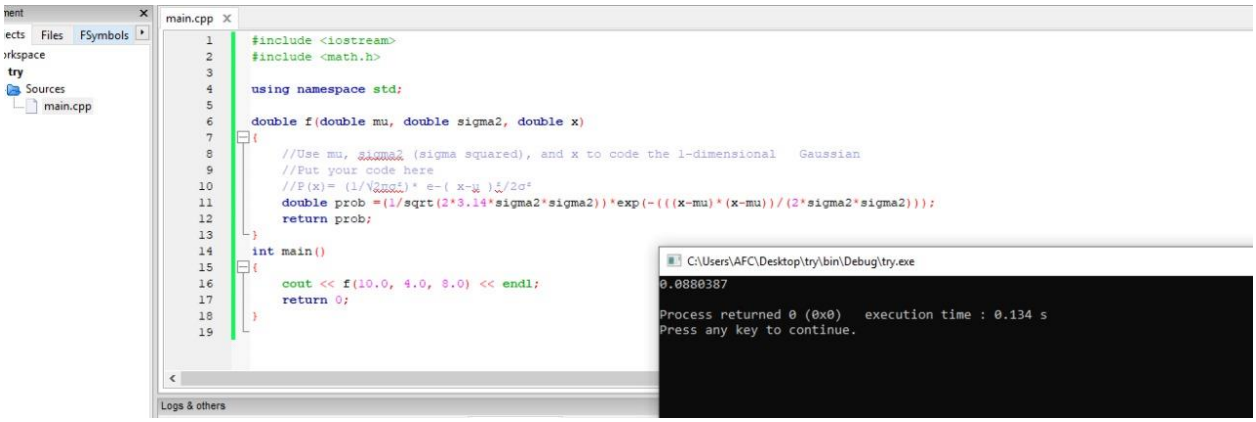


You have a cpp code and below you can find the equation check the image. I need to put this equation inside the code. it's allowed to use any programming language.

```
#include <iostream>
#include <math.h>

using namespace std;

double f(double mu, double sigma2, double x)
{
   //Use mu, sigma2 (sigma squared), and x to code the 1-dimensional   Gaussian
   //Put your code here
   //double prob =
   return prob;
}
int main()
{
    cout << f(10.0, 4.0, 8.0) << endl;
    return 0;
}
```


Files
FSymbols
try
Sources
main.cpp
main.cpp
#include <iostream>
#include <math.h>
using namespace std;
double f(double mu, double sigma2, double x)
{
//Use mu, sigma2 (sigma squared), and x to code the 1-dimensional Gaussian
//Put your code here
//P(x)= (1/√2πσ²)* e-(x-μ)²/2σ²
double prob =(1/sqrt(2*3.14*sigma2*sigma2))*exp(-(((x-mu)*(x-mu))/(2*sigma2*sigma2)));
return prob;
}
int main()
{
cout << f(10.0, 4.0, 8.0) << endl;
return 0;
}
Logs & others
C:\Users\AFC\Desktop\try\bin\Debug\try.exe
0.0880387
Process returned 0 (0x0) execution time : 0.134 s
Press any key to continue.