

Homework 1

Question 1:

- What is the linux command to move up one directory?
- What are the two modes in vi editor? Which mode allows you to enter characters?
- What vi command do we use to save and exit the vi editor?
- What linux command do we use to delete a file?
- How do we make a directory named Lab1_1?
- What is the name of the compiler we use to “translate” C++ programs into machine code?
- What is the linux command to compile a file named helloworld.cpp?
- What is the default name of the executable file after we compile it?

Question 2:

Write a program with the following output:

```
Hello world!  
Hello
```

(Notice the newline after ! and a space before the second “Hello”)

Question 3:

Write a C++ program which stores contact information.

- ask user for his/her full name - string
- phone number - string
- find out whether the number is mobile (m), home (h), or work (w) - character
- email address – string
- is the user married: true/false – boolean
- users age – int
- tax rate where user lives - double
- Print out the contact information at the end.

Sample inputs:

```
First Name? Jim  
Last Name? Jones  
Phone Number? 7185551234  
Is it mobile, home or work? w  
Email address? j.jones@gmail.com  
Married? false  
Age? 35  
Tax rate in decimal? 0.0875
```

Output:

```
Jones, Jim  
w: 7185551234  
email: j.jones@gmail.com  
married: false  
age: 35  
tax rate: 8.75%
```