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| **KING SAUD UNIVERSITY**  **COLLEGE OF COMPUTER AND INFORMATION SCIENCES**  **COMPUTER SCIENCE DEPARTMENT** | | |
| **CSC215** | **Lab1**  **C Basics** | **2nd Semester 1436-1437** |

**Q1: “Writing Your first C program”**

Follow these steps to create a folder to save all of your CSC 215 Lab files.

1. Open the terminal.
2. 2. Go to the target directory (desktop) using the command cd:
   * cd writeThePathHere
3. 3. Create a folder called “yourName\_CSC215”using the command mkdir:
   * Mkdir yourName\_CSC215

Now, you are ready to write, compile, and run your first C program.

1. Inside your folder open the text editor, save it with the extension .c, name it using the following naming convention:

* “Lab1\_YourFirstName\_YourLastName.c"
* Don’t forget to move to your own directory

2. Copy the following code into Lab1\_YourFirstName\_YourLastName.c

#include<stdio.h>

main()

{

printf("Hello World\n");

}

3. Save the file.

4. To compile the code type gcc -o Lab1\_YourFirstName\_YourLastName Lab1\_YourFirstName\_YourLastName.c

5.To run the code type ./Lab1\_YourFirstName\_YourLastName

6. Show the program to your lab instructor.

Q2. Write a C program that declares a char variable, say, CH, and initializes it to any lowercase letter, ex: CH = b. The program should print the character CH and print in a new line the three characters that follow the CH character in the alphabetical order.

Note: In your answer don’t change the value of CH and don’t use any other variable.

Output:

CH = b

The following three characters are: c d e

Model Answer:

#include <stdio.h>

main()

{

**char** CH = **'b'**;

printf(**"CH = %c\n"**, CH);

printf( **"The following three characters are: %c %c %c"**, CH+1,CH+2,CH+3); }