**C++ Practical 0.5**

**Deadline: 8 Oct @ 5 p.m.**

All code must be consistently indented and variables given appropriate names.

Your name and student number must be at the top of every file.

You cannot use Strings or arrays**, only ints.**

Use cout to output to the screen. Use cin to input from the keyboard.

You must upload the code to blackboard before 5 pm on 8th October even if not all the questions are completed. You will be unable to upload any code after that time.

If no code is uploaded, you receive 0 for the lab.

Only upload the cpp file (not the project)

**You must both demo** the lab and **upload the code** to get a mark.

When you are demoing the lab, you will be asked questions about the code.

Place all the code in “int main()”

1. You work in a Zoo as the top computer developer. A new employee on their first day was told to count the giraffes and elephants. When entering the values into Zoo computer system they mixed up the count of the elephants with the giraffes. Write code to swap the values as to what they should be and save the Zoo . Use 2 variables and name them appropriately. Use cin, cout and 2 variables.

#include <iostream>

int main()

{

int numGiraffes=0;

int numElephants=0;

std::cin >> numGiraffes;

std::cin >> numElephants;

//swap the contents

std::cout << numGiraffes << std::endl;

std::cout << numElephants << std::endl;

1. Write a simple simulation of a computer that lies. When the user enters a number your code outputs “Even” if the number is odd and “Odd” when the number is even.

**Hint : Use % (modulus operator).**

int numberToTest = 0;

std::cout << "Human enter a number";

std::cin >> numberToTest;

//test if the number is odd or even

// then lie to the human

1. You are software developer for a well known online retailer. The “parcels picker system” picks the largest of 3 numbers (sizes of parcel) inputted into the computer console. Write code to find largest number among three numbers and output to the console the number so as the “fulfilment operator” can ship the correct parcel.

int parcelSize1 = 0;

int parcelSize2 = 0;

int parcelSize3 = 0;

std::cout << "Enter Parcel Size";

std::cin >> parcelSize1;

std::cout << "Enter Parcel Size";

std::cin >> parcelSize2;

std::cout << "Enter Parcel Size";

std::cin >> parcelSize3;

//find the largest parcelSize and output it

1. The children in a school have captured you and unless you write code to output the multiplication tables, from 1 to 12, they will sing that baby shark song until you do.