| FirstName-LastName  EECE2160 | Embedded Design: Enabling Robotics  Lab Assignment 123 |
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Lab Assignment 123

Lab Report Template and Guide

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**5.0 Code/Schematics**

**PRELAB CODE:**

#include <iostream>

#include <string>

#include <stdio.h>

#include <stdlib.h>

#include <time.h>

using namespace std;

double \*v;

int count;

int size;

void Shrink() {

}

void InsertElement() {

}

void RemoveElement() {

}

void AddElement() {

}

void PrintVector() {

}

void Grow() {

}

void Initialize() {

size = 2;

v = new double[size];

v[0] = 0;

v[1] = 1;

}

void Finalize() {

delete[] v;

}

int main() {

Initialize();

int condition;

bool plays = true;

while(plays){

std::cout << "1. Print the Array" << std::endl;

std::cout << "2. Append element at the end "<< std::endl;

std::cout << "3. Remove last element" << std::endl;

std::cout << "4. Insert one element" << std::endl;

std::cout << "5. Exit" << std::endl;

std::cin >> condition;

switch(condition){

case 1: {

cout<<"You selected \" Insert one element \""<< endl;

break;

}

case 2: {

cout<<"You selected \" Append element at the end \""<< endl;

break;

}

case 3: {

cout<<"You selected \" Remove last element \""<< endl;

break;

}

case 4: {

cout<<"You selected \" Insert one element \""<< endl;

break;

}

case 5: {

cout<<"You selected \" Exit \""<< endl;

plays = false;

break;

}

default:

cout<<"Please select again"<< endl;

break;

}

cout<<"Select an option: "<<endl;

}

Finalize();

return 0;

}

**Lab 5.1:**

**5.1 Section 1 of Lab 5**

# References

If you use any additional texts, papers, websites, etc. and refer to them in the report, then you must include a reference. Note that copying text from other sources is typically considered plagiarism. If you verbatim copy text you will need to put “the copied text” in double quotes and cite the source. In case you are using main ideas from a different paper you need to cite. For example, most of this lab report guide is based by work of Michael Benjamin [1]. Also if you find useful sources, please tell me about them.

1. Prof. Julius Marpaung, “*Lab Report Guide*”, Northeastern University, January 6 2020.