**ក្រុមទី ៨**

| 1 | សុខ​ រក្សា |
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| 2 | សួងខុន ម៉ារ៉ាឌី |
| 3 | ហ៊ាត​ គឹមណាក់ |
| 4 | អឿន ឆេងហាវ |
| 5 | សេង សុខនីន |

| Week2 Lab2 (Source Code) |
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| Exercise 1  #include <iostream> using namespace std; void maximum(){  int num1;   int num2;   cout << "Enter two numbers: ";  cin >> num1>>num2;    if (num1>num2){  cout<<"maximum = "<<num1;    }else if(num1<num2){   cout<<"maximum = "<<num2;  }else{   cout<<"equal"<<endl;  } }  int main(){   maximum();  return 0;  }  Exercise 2 #include <iostream> using namespace std; int Factorial() {  int n;  long long factorial = 1;   cout << "Enter a positive integer: ";  cin >> n;   if (n < 0)  cout << "Error! Factorial of a negative number doesn't exist.";  else {  for(int i = 1; i <= n; ++i) {  factorial \*= i;   for(int j=n-1;j<n;j++){  cout << "Factorial of " << i <<"!" << "="<< factorial<<endl;     }  }  }   } int main(){  Factorial();  return 0; } Exercise 3 #include<iostream> using namespace std; class classBox { // The class  public: // Access specifier  float width;   float length;  float height;   float V;   ReadData(){    cout << "width: ";  cin >> length;  cout << "length: ";  cin >> width;  cout << "height: ";  cin >> height;  return V=width\* length \*height; } };  int main(){  classBox myObj;    cout<<"The volume of box is "<<myObj.ReadData();  return 0; }  Exercise 4 #include <iostream> #include <bits/stdc++.h> using namespace std; class myFriend {  public:    string name;  string date\_of\_birth;   string place\_of\_birth;  string department;  void printname()  {  cout <<"My friend's name is:" << name<<endl;  }  void printdate\_of\_birth()  {  cout <<"Date of birth:" << date\_of\_birth <<endl;  }  void printplace\_of\_birth()  {  cout <<"Place of birth:" << place\_of\_birth <<endl;  }  void printdepartment()  {  cout <<"Department:"<< department <<endl;  } }; int main(){  myFriend fri1;    fri1.name = "Sa";  fri1.date\_of\_birth = "05/01/2003";  fri1.place\_of\_birth = "Bonteay mean chey";  fri1.department = "ITE";    fri1.printname();  fri1.printdate\_of\_birth();  fri1.printplace\_of\_birth();  fri1.printdepartment();  cout <<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;  cout <<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;    myFriend fri2;    fri2.name = "Marady";  fri2.date\_of\_birth = "12/28/2022";  fri2.place\_of\_birth = "Pnom penh";  fri2.department = "ITE";    fri2.printname();  fri2.printdate\_of\_birth();  fri2.printplace\_of\_birth();  fri2.printdepartment();  cout <<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;  cout <<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;    myFriend fri3;    fri3.name = "Hav";  fri3.date\_of\_birth = "12/28/2022";  fri3.place\_of\_birth = "Pnom penh";  fri3.department = "ITE";   fri3.printname();  fri3.printdate\_of\_birth();  fri3.printplace\_of\_birth();  fri3.printdepartment();  cout <<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;  cout <<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;    myFriend fri4;    fri4.name = "Nin";  fri4.date\_of\_birth = "12/28/2022";  fri4.place\_of\_birth = "Pnom penh";  fri4.department = "ITE";    fri4.printname();  fri4.printdate\_of\_birth();  fri4.printplace\_of\_birth();  fri4.printdepartment();  cout <<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;  cout <<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;    myFriend fri5;    fri5.name = "Nak";  fri5.date\_of\_birth = "12/28/2022";  fri5.place\_of\_birth = "Pnom penh";  fri5.department = "ITE";    fri5.printname();  fri5.printdate\_of\_birth();  fri5.printplace\_of\_birth();  fri5.printdepartment();  cout <<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;  cout <<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;       return 0;   } Exercise 5  #include <iostream> using namespace std;  class infomRUPP{  public:  int number\_of\_Facuty ;  string Name\_of\_Facuty, Name\_of\_depadement\_FE;  void printinfomRUPP(){  //  cout << " Number of Fauuty in RUPP = " << number\_of\_Facuty <<endl;  //  cout << "\tName of Facuty in RUPP " << Name\_of\_Facuty <<endl;  cout << "1, Facuty of science" <<Name\_of\_Facuty<<endl;  cout << "2, Facuty of social science and humanities" <<Name\_of\_Facuty<<endl;  cout << "3, FACUTY OF ENGINEERING" <<Name\_of\_Facuty<<endl;  cout << "4, FACUTY OF DEVERLOPMENT STUDIES" <<Name\_of\_Facuty<<endl;  cout << "5, FACUTY OF EDUCATION" <<Name\_of\_Facuty<<endl;  //  cout << "\tName of depadement FE " <<Name\_of\_depadement\_FE<<endl;  cout << "1, Department of Information Technology Engineering" <<Name\_of\_depadement\_FE<<endl;  cout << "2, Department of Telecommunication and Electronic Engineering" <<Name\_of\_depadement\_FE<<endl;  cout << "3, Department of Bio Engineering" <<Name\_of\_depadement\_FE<<endl;  cout << "4, Department of Automation & Supply Chain Systems Engineering" <<Name\_of\_depadement\_FE<<endl;  } }; int main (){  infomRUPP Number;  Number.number\_of\_Facuty = 5;  Number.printinfomRUPP(); return 0; } |
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