**ក្រុមទី ៨**

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

| Week3 Lab3 (Source Code) |
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| #include<iostream> using namespace std; int arr['0'], i, elem, pos, arr\_size, j, found, cnt=0 ; int Getline(){  cout<<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl; } int Display\_array(){  cout<<"\nThe "<<arr\_size<<" Array Elements is:\n";  for(i=0; i<arr\_size; i++)  {  cout<<arr[i]<<" ";  }  cout<<endl; } int Insert\_array(){  cout<<"\nEnter Element to Insert: ";  cin>>elem;  cout<<"At What Position ? ";  cin>>pos;   for(i=arr\_size; i>pos; i--)  {  arr[i] = arr[i-1];  }    arr[i] = elem;  arr\_size++;  cout<<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;  cout<<"\nThe New Array is:\n";  for(i=0; i<arr\_size; i++)  {  cout<<arr[i]<<" ";  }  system("color e");  cout<<endl;  return 0; } int Delete\_array(){  cout<<"\nEnter Element to Delete: ";  cin>>elem;  for(i=0; i<arr\_size; i++)  {  if(arr[i]==elem)  {  for(j=i; j<(arr\_size-1); j++)  arr[j] = arr[j+1];  found++;  i--;  arr\_size--;  }  }  if(found==0)  cout<<"\nElement doesn't found in the Array!";  else  cout<<"\nElement Deleted Successfully!";  cout<<endl;  cout << "The new array after deleted " << elem << ":" << endl;   for(i=0; i<arr\_size; i++)  {  cout<< arr[i]<< " ";  }  cout<<endl; } int Search\_array(){  cout<<"\n Enter Element to be Searched : ";  cin>>elem;  for(i=0; i<arr\_size; i++)  {  if(arr[i]==elem)  {  cnt=1;  pos=i+1;    }  }  if(cnt==0)  {  cout<<"\n Element Not Found..!!";  }  else  {  cout<<"\n Element "<<elem<<" Found At Index "<<pos-1;  }   } int main() { // system("cls");  cout<<"Enter the Size for Array: ";  cin>>arr\_size;  cout<<"Enter "<<arr\_size<<" Array Elements: ";  for(i=0; i<arr\_size; i++)  {  cin>>arr[i];  }  Display\_array();  Getline();  Insert\_array();  Getline();  Delete\_array();  Getline();  Search\_array();     } |
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