

فصل 3: ترمين و ترمين و ترمين

Container

- *a:t
- Capacity: size_t
- Size: size_t
- Void Resize(size_t) // Utility
- ADT: dynamic(size_t)
- Void Append(const t&)
- Void Insert(const size_t, size_t)
- Void Delete(const size_t)
- Void Reverse()
- Void Bubble-Sort-Last-name()
- Void Binary-Search-Last-name(string)
- Void Bubble-Sort-Classification()
- Void Binary-Search-Classification(string)
- Void Print()
- Void Print-Fav()
- Void Save-to-File()
- Void Update(size_t)
- ~ ADT: dynamic()

Address

- Street-name: string
- Street-number: string
- City: string
- Country: string

address()

- String get-street-name() const
- String get-street-number() const
- String get-Country() const
- String get-City() const
- Void display()

Person

- First-name: string
- Last-name: string
- Address: address
- Classification: string
- Phone: string
- mail: string
- Favorite: bool
- id: size_t

Person()

- Person(string, string, string, string, string, bool, a)
- String get-First-name() const
- String get-Last-name() const
- String get-Classification() const
- String get-Phone() const
- String get-mail() const
- bool get-Favorite() const
- Void Print-Cin-add()
- Void Showdata(size_t)
- Void ShowFav(size_t)
- size_t get id()
- Void Load()

Contact

- P: Person
- ADT: dynamic<Person> operation
- Contact()
- Void add-new-Contact()
- Void Search-by-Last-name()
- Void Search-by-Classification()
- Void Print-all-Contact()
- Void Print-Fav-Contact()
- Void Reverse-Contacts()
- Void delete Contacts()
- Void Save-File-Contact()
- Void Share-Contact()
- Void Update Contacts()
- Void Load-From-File()
- Void Show-Console()