Assignment 2

```
#include <iostream>
#include <vector>
using namespace std;
class Person {
       setInitalsFromName();
```

```
Person& operator=(const Person& t)
~Person(){};
void setInitals(string it) {
void setLname(string name) {
string getFname() {
string getLname() {
string getInitials() {
virtual string toString() {
```

```
**** Answer to Q3 *******
  string employeeId;
   Employee()
   Employee(string fn, string ln, string empId): Person(fn, ln)
       employeeId = empId;
  void setEmployeeId(string empId) {
      employeeId = empId;
  string toString() {
      string str = Person::toString();
};
  Manager()
  Manager(string fn, string ln, string empId): Employee(fn, ln, empId)
  string toString() {
      string str = Person::toString();
class Director: public Employee {
```

```
Director(string fn, string ln, string empld): Employee(fn, ln, empld)
string toString() {
   string str = Person::toString();
Employee* employee = new Employee("Emily", "Bronte", "emp001");
Person* person2 = new Person("Stephanie", "Meyer");
Employee* employee2 = new Employee("Preeti", "Shenoy", "emp004");
Director* director2 = new Director("J R R", "Tolkien", "emp006");
people.push_back(person);
people.push_back(employee);
people.push back(manager);
people.push back(director);
people.push back(employee2);
people.push_back(manager2);
people.push back(director2);
for (int i = 0; i < (int)people.size(); i++)</pre>
    cout<< people.at(i)->toString();
```

Output:

```
~/Documents/College/COEN 275/projects/helloworld 07:31 PM > ./helloworld
Oliver Twist
Emily Bronte
Jane Byre
Inside Manager
Charles Dickens
Inside Director
Stephanie Meyer
Preet Shenoy
Chetan Bhagat
Inside Manager
JR R Tolkien
Inside Director
First Name : Oliver
Last Name : Tolkien
Inside Director
First Name : Emily
Last Name : Emily
Last Name : Emily
Last Name : Bronte
Insidals : B Employee Type: Manager
Last Name : Epropee Type: Manager
Last Name : Dickens
Insidals : JE Employee Type: Director
First Name : Chetan
Insidals : SE Employee Type: Director
First Name : Chetan
Insidals : SM Employee Type: Director
First Name : Stephanie
Last Name : Spenoyee Type: Regular
First Name : Spenoyee Type: Manager
First Name : Spenoyee Type: Director
First Name : Chetan
Last Name : Chetan
Last Name : Chetan
Last Name : Chetan
Last Name : Da R
Last Name : Tolkien
```

Oliver Twist
Emily Bronte
Jane Eyre
Inside Manager
Charles Dickens
Inside Director
Stephanie Meyer
Preeti Shenoy
Chetan Bhagat
Inside Manager
J R R Tolkien
Inside Director

First Name : Oliver Last Name : Twist

Initials: OT Employee Type: Regular

First Name : Emily Last Name : Bronte

Initials: EB Employee Type: Manager

First Name: Jane

Last Name : Eyre

Initials : JE Employee Type: Director

First Name : Charles Last Name : Dickens

Initials : CD

First Name : Stephanie Last Name : Meyer

Initials : SM Employee Type: Regular

First Name : Preeti Last Name : Shenoy

Initials : PS Employee Type: Manager

First Name : Chetan Last Name : Bhagat

Initials : CB Employee Type: Director

First Name : J R R Last Name : Tolkien