

Practice 03 (13-10-2020)

1. Incomplete **QuizResult** class and main function is given. Write member functions in Address class, used in main function. Write getter setter functions for all data members. Write code with all consideration of OOP concepts discussed so far like const, public, private, copy constructor(s), destructor, assignment operator, default values of parameters, avoidance of code duplication, private member functions:

```
class QuizResult{
    int noOfStrudents;//5-20, default is 10
    int *marks;
};

int main(){
    QuizResult q1(20);
    q1.readValues();//Read values from user, preferably from file
    q1.show();
    cout <<"=====\n";
    QuizResult q2 = q1;
    q2.show();
    cout <<"=====\n";
    q2 = q1;
    q2.show();
    return 0;
}
```

2. Consider class Matrix discussed in last class (code already shared). Add member functions (some you have already made in the lab), enlist below (after each function return current object and call show function inside main code using single statement for operation + display):

- multiply kth row with some scalar value
- multiply kth col with some scalar value
- add jth row into kth row
- add jth col into kth col
- subtract jth row from kth row
- subtract jth col from kth col
- show matrix elements in proper format