

MIDTERM EXAM ANSWER SHEET



NATIONAL UNIVERSITY
OF COMPUTER & EMERGING SCIENCES
LAHORE

FAST

Course Object Oriented Programming Answer Sheet No. 40359

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12

Q. 1

Q1 → 9

Part (a)

-Error-

Output

44

Person 3: Name: Alice

Person 1: Name: Alice

Person 2: Name: Alice

b

5

Obj2 = 10

Obj1 = Garbage (Because obj1 is destroyed) - (Dangling Pointer)

~~Obj1~~ Printing... 99

Obj1 = 555


```
#include <iostream>
using namespace std;
```

```
class MyList
```

```
{
    char ** arr;
    int size;
```

```
public:
```

```
    MyList ( );
```

```
    friend ostream & operator<< (ostream &out, const string &);
```

```
    void operator + (string &);
```

```
MyList::MyList ( )
```

```
{
    arr = new string * [5];
    for (int i = 0; i < 5; i++)
    {
        arr[i] = new string[5];
    }
```

```
ostream & operator<< (ostream &out, const string &c)
```

```
{
```


Q-2

#include <iostream>

using namespace std;

class MyList {

char ** arr;
int size;

Public:

MyList ();

friend ostream & operator<< (ostream & out, const ^{MyList} ~~string~~ & c);

void operator + (string);

~~Private~~ string * list;

};

size = 0;

MyList::MyList ()

{

list = new string;

list = " ";
size++;

}

ostream & operator<< (ostream & out, const ^{MyList} ~~string~~ & c)

{

~~out << " [";~~
out << " [";
out << list;
out << "] ";

return out;

void MyList::operator+(string a) {

list = list + a;

}

MyList:: ~ MyList()

{

delete [] ~~string~~ ^{list};

}