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CSE 241-501 Midterm Session I

Mulugay

"I hereby pledge that I will strictly adhere to academic integrity codes and the work done on this examination is solely my own and I will not receive / give any help from/to anybody or source during this examination"

a) What is conversion constructor?

What is explicit? How are they related?

b) What is compilation unit? What are unnamed namespaces. How are they related?

a) - Conversion constructor is help us the create an object just sending parameter values.

- if constructor is explicit that not allow to conversion using parameter created.

```
Ex: class A {  
    public:  
        A(int x) : x(x), name("") {}  
        explicit A(string name) : x(0), name(name) {}  
    private:  
        int x;  
        string name;  
};
```

allow that A obj = 22; ✓

not allow that A obj = "Hasan"; ✗

They are changing the constructor type and effect the program.

b) Compilation units defined namespaces in program,

Un named name space just ^{works} defining cpp file.

Compilation unit > namespace

using namespace my; // has print function printing apple

namespace {

print() { cout << "orange"; }

}

int main() {

print(); // Printing apple

my::print(); // printing orange

}

Output

apple orange