## 19 Lecture - CS304

## **Important Mcqs**

1.	What is the return type of the stream insertion operator (<<)?
	a) void
	b) istream&
	c) ostream&
	d) string
	Answer: c) ostream&
	Which of the following is an example of overloading the stream insertion operator for a
	custom class?
	a) int x; cin >> x;
	b) cout << "Hello, World!" << endl;
	c) cout << obj;
	d) cin << obj;
	Answer: c) cout << obj;
	Which of the following is an example of using the stream insertion operator to output
	multiple values?
	a) cout << "The value of x is " << x;
	b) cout << "The sum of " << x << " and " << y << " is " << x + y;
	c) cout << "Enter a value: ";
	,
	d) cout << "The result is " << result << endl;
	Answer: b) cout << "The sum of " << x << " and " << y << " is " << x + y;
	Which of the following is a possible implementation of the stream insertion operator for a
	custom class?
	a) ostream& operator<<(ostream& out, MyClass obj) { /* implementation / }
	b) istream& operator<<(istream& in, MyClass obj) { / implementation / }
	c) MyClass& operator<<(MyClass obj) { / implementation / }
	d) void operator<<(MyClass obj) { / implementation / }
	Answer: a) ostream& operator<<(ostream& out, MyClass obj) { / implementation */ }
	Which of the following is a correct syntax for using the stream insertion operator to
	output an object?
	a) cout << MyClass;
	b) cout << object.MyClass;
	c) object << cout;
	d) cout << object;

Which of the following is a correct syntax for overloading the stream insertion operator for a custom class?

a) void operator<<();

Answer: d) cout << object;

b) void operator<<(ostream& out);

- c) void operator<<(ostream& out, MyClass obj);
  d) void operator<<(MyClass obj);</pre>
- Answer: c) void operator<<(ostream& out, MyClass obj);

Which of the following is a correct implementation of the stream insertion operator for a custom class that has private data members?

- a) ostream& operator<<(ostream& out, MyClass obj) { out << obj.privateMember; }
- b) ostream& operator<<(ostream& out, MyClass obj) { obj.privateMember << out; }
- c) ostream& operator<<(ostream& out, MyClass obj) { obj.getPrivateMember() << out; }
- d) None of the above.

Answer: c) ostream& operator<<(ostream& out, MyClass obj) { obj.getPrivateMember() << out; }

Which of the following is an example of using the stream insertion operator to output a literal value?

- a) cout << "Hello, World!";
- b) cout << x;</p>
- c) cin >> x;
- d) cout << "Enter a value: ";

Answer: a) cout << "Hello, World!";

Which of the following is a correct implementation of the stream insertion operator for a custom class that has a non-static data member?

- a) ostream& operator<<(ostream& out, MyClass obj) { obj.dataMember << out; }
- b) ostream& operator<<(ostream& out, MyClass obj) { obj.dataMember >> out; }
- c) ostream& operator<<(ostream& out, MyClass obj) { out << obj.dataMember; }
- d) None of the above.

Answer: c) ostream& operator<<(ostream& out, MyClass obj) { out << obj.dataMember; }

Which of the following is an example of using the stream insertion operator