CS 124 Practice Final Exam – Unit 1 Material

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Question
1
     What is the output of the following code?
         cout << 9 / 10 + 2 / 10 << endl;
     a. 9 / 10 + 2 / 10
                                                 c. 1.1
     b. 1.0
                                                 d. 0
     What is the output of the following code fragment:
         float f = 34;
                c = (f - 32) * 5 / 9;
         cout.setf(ios::fixed);
         cout.setf(ios::showpoint);
         cout.precision(2);
         cout << c << endl;</pre>
     }
     a. 0
                                                 d. 1.11
     b. 1.00
                                                 e. 1
     c. 0.00
     What is the output of the following code:
3
         if (85 > 23)
            int x = 12;
         else
            int x = 14;
         cout << x << endl;</pre>
                                                 d. 12
     a. compile error
                                                 e. 23
     b. true
     c. 85
                                                 f. 14
4
     What is the output of the following code fragment:
         cout << 6 + 4 / 2 + !4 << endl;
     a. 12
                                                 d. compile error
     b. 5
                                                 e. 8
     c. 9
```

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Question
5
      What is the output of the following code fragment:
         int a = 2.5;
         float b = 3;
         cout.setf(ios::fixed);
         cout.setf(ios::showpoint);
         cout.precision(1);
         cout << a * b << endl;</pre>
      }
     a. 8
                                                  e. 8.0
     b. 6.0
                                                 f. 7.5
                                                 g. 7.0
        7
     c.
     d. 6
6
     Which of the following statements produces the following output?
     a. cout << "\/"\/" << endl;</pre>
     b. cout << "\//"\//" << endl;</pre>
     c. cout << "\//\" << endl;
     d. cout << "\/\"\/" << endl;</pre>
     e. cout << "\\/"\\/" << endl;</pre>
     f. cout << "\\/\"\/" << endl;</pre>
     g. cout << "\//"\/" << endl;</pre>
     What is the output of the following code?
         bool a = 97 < 65;
         bool b = 100 % 2;
         bool c = a | | b;
         cout << c << endl;</pre>
      }
     a. different every time
                                                 c. compile error
                                                  d. 1
     b. 0
8
     What is the output of the following code?
         cout << "One";</pre>
         if (false);
            cout << "Two";
         cout << "Three\n";</pre>
     a. OneTwoThree
                                                  c. compile error
                                                  d. OneThree
     b. One
```

```
Question
9
     What is the output of the following code:
         char letter = 'A';
         if (letter = 'B')
            cout << "C";
         else
            cout << "D";
         cout << endl;</pre>
     }
     a. compile error
                                                d. A
     b. D
                                                e. C
     c. B
                                                f. nothing
10
     Which of the following code fragments will represent if I got an A?
     a. bool a;
         if (grade >= 90)
            a = false;
         else
            a = true;
     b. bool a = (grade >= 90);
     c. bool a = true;
        if (grade >= 90)
            a = false;
     d. bool a;
         if (grade < 90)
            a = false;
     What is the output of the following code?
11
         int value = 1;
         if (value == 2)
            cout << "One";
            cout << "Two";</pre>
         cout << "Three\n";</pre>
     }
     a. OneTwoThree
                                                c. TwoThree
     b. compile error
                                                d. Three
```

```
Question
     What is the output of the following program?
12
     int main()
     {
         void a()
            cout << "a";
         void b()
            cout << "b";
         a();
         b();
         a();
         return 0;
     a. Aba
                                                c. ba
     b. Ab
                                                d. compile error
     What is the output of the following code?
13
     char function(char value)
         return value + 1;
     int main()
         cout << function('A') << endl;</pre>
         return 0;
     }
                                                d. compile error
        Α
     a.
     b. B
                                                e. 97
     c. 98
```

```
Question
14
     What is the output?
     void change(char one, char &two)
        one = 'x';
        two = 'y';
     }
     int main()
        char a = 'a';
        char b = 'b';
        change(a, b);
        cout << a << b << endl;</pre>
        return 0;
     a. xb
                                             d. ay
                                             e. ab
     b. xy
     c. compile error
```

Question	Answer
1	D
2	E
3	A
4	E
5	В
6	F
7	В
8	A
9	E
10	В
11	С
12	D
13	В
14	D