QUIZ # 1

each question is worth 1 point

1. Which of the below statements is NOT correct?
   a) C++ is an extension (improvement) of another language called C
   b) C takes its origins in a system-development language called BCPL. C was originally designed to write Unix operating system.
   c) one of the major additions of C++ is "objects"
   d) nowadays C/C++ are some of the most widely used programming languages
   e) C++ is a low level programming language

2. Which of the following identifiers is NOT syntactically legal in C++
   a) aBc
   b) a23
   c) _a23
   d) a_23
   e) all of the above identifiers are legal in C++

3. What is the name of the underlined construct?
   cin >> i;
   ^^
   a) output stream
   b) input stream
   c) extraction operator
   d) insertion operator
   e) the above construct is not legal in C++

4. What is the value of variable "i" after executing this code fragment?
   int i=1;
   i += 2;
   i += 4;
   a) 1
   b) 2
   c) 4
   d) 6
   e) 7

5. What are the values of "i" and "j" after executing this code fragment?
   int i=1;
   int j;
   j = i++;
   a) 1 1
   b) 1 2
   c) 2 1
   d) 2 2
   e) none of the above

6. What does this code fragment output? (hint: recall the operation of break-statement within switch-statement)
   int i=1;
   switch (i){
   case -1:
       cout << "i is negative" << endl;
   case 1:
       cout << "i is positive" << endl;
   default:
       cout << "i is zero" << endl;
   }
   a) i is negative
   b) i is positive
   c) i is zero
   d) i is positive
   e) i is negative

7. What is the value of "k" after the execution of the following code fragment?
   int i=0, j=1, k;
   k = i>j ? i : j;
   a) 0
   b) 1
   c) true
   d) i>j
   e) this code contains a syntax error and will not compile

8. What is the value of "i" after the execution of the following code fragment?
   int i=1;
   while(i < 1)
   ++i;
   a) 0
   b) 1
   c) 2
   d) this code will loop forever
   e) this code contains a syntax error and will not compile

9. What is the value of "i" after the execution of the following code fragment?
   int i=1;
   do
   ++i;
   while(i < 1);
   a) 0
   b) 1
   c) 2
   d) this code will loop forever
   e) this code contains a syntax error and will not compile

10. What is the value of "i" after the execution of the following code fragment?
    int i=0;
    for(int j=0; j < 3; ++j)
    for(int k=0; k < 3; ++k)
    ++i;
    a) 0
    b) 3
    c) 6
    d) 9
    e) 27