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                    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++;
          i j
        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;
                }
```

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        a)  i is negative
        b)  i is positive
        c)  i is zero
        d)  i is positive
            i is zero
        e)  i is negative
            i is positive
            i is zero
```

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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
```

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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
```

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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
```

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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
```