

Flash Quiz 2 Questions

CSE 232 (Introduction to Programming II)

- How many **else** statements should exist after an **if** statement, in a conditional statement?
 - 0
 - 1
 - At least 1
 - At most 1**
 - As many as needed
- How many **if** statements should exist after an **else** statement, in a conditional statement?
 - 0**
 - 1
 - At least 1
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 - As many as needed
- In the example below, which statement does the **break** terminate?

```
for (...) { // For 1
  while (...) { // While 1
  }
  while (...) { // While 2
    switch (...) { // Switch 1
      case 0:
        ...
        break;
      default:
        for (...) { // For 2
          ...
        }
      }
    }
  }
}
```

- For 1
- For 2
- While 1
- While 2
- Switch 1**

- If a **continue** statement is executed in a **for** loop, what is the next code to run?
 - The for loop's conditional clause.
 - The for loop's body.
 - The for loop's update clause.**
 - The statement after the for loop.
 - The statement after the **continue** statement.
- When will a variable no longer be accessible with its name?
 - When the variable falls out of scope.**
 - When the variable is deleted.
 - Whenever a block ends.
 - When the variable is assigned a new value.
- Which of the following C++ keywords causes a loop to immediately repeat (skipping the rest of the loop's body)?
 - continue**
 - break**
 - repeat**
 - switch**
 - goto**
- Which variables are in scope at the comment?


```
int x = 5;
for (int i = 0; i < x; i++){
  char c = 'a' + x + i;
}
//here
```

 - x**
 - i
 - c
 - x and i
 - x, i, and c
 - None

8. Which of the following statements will NOT cause a for loop to terminate?

- (a) `break`
- (b) `return`
- (c) `continue`
- (d) All three will terminate a for loop

9. What is the missing code below, that outputs a random date from the month of May?

```
int main() {  
    random_device rng;  
    mt19937 gen(rng());  
    //missing code  
    cout << rps(gen);  
    return 0;  
}
```

- (a) `uniform_int_distribution<>
 rps(1, 31);`
- (b) `uniform_distribution<int>
 rps(1, 31);`
- (c) `normal_distribution<int>
 rnd(1,31)`
- (d) `uniform_int_distribution<>
 rps(0, 32);`
- (e) `uniform_distribution<int>
 rps(0, 32);`

10. What is the difference between the following two loops?

```
for (int i = 0; i < 10; ++i){  
    ...  
}
```

And

```
int i = 0;  
while (i < 10){  
    ...  
    i++;  
}
```

- (a) The two loops are identical
- (b) The values of the two `i`'s are different at the end of each loop iteration
- (c) `The scope of i is different.`
- (d) (b) and (c)