Feedback — Branchements conditionnels et booléens

You submitted this quiz on **Sun 14 Sep 2014 1:23 PM WEST**. You got a score of **6.00** out of **6.00**.

Question 1

Quelle est la valeur de la variable test?

```
int a = 17;
int b = 12;
boolean test1 = ((b - a) % 2 == 1);
boolean test2 = true;
boolean test = (!test2 ||  test1);
```

Your Answer		Score	Explanation
true			
false	✔	1.00	
Total		1.00 / 1.00	

Question 2

Pour quelles valeurs cette expression renvoie true?

```
(((a >= b) && (c - b >= 4)) || ( a < c))
```

Your Answer		Score	Explanation
☐ a = 11, b = 5, c = 8	✔	0.25	
☑ a = 5, b = 9, c = 10	✔	0.25	
☐ a = 12, b = 9, c = 7	✔	0.25	

☑   ✔   0.25

a = 10, b = 3, c = 10

Total	1.00 / 1.00

Question 3

Comment écrire une condition if qui renvoie true si la variable i est dans l'intervalle

```
{1} ∪ {2} ∪ {3} ∪ [5 , 6]
```

?

Your Answer	Score	Explanation
⦿ if ((i == 1) || (i == 2) || (i == 3) || (i >= 5 && i <= 6))	✔ 1.00	
◯ if ((i == 1) || (i == 2) || (i == 3) || (i >= 5 || i <= 6))		
◯ if ((i == 1) || (i == 1) || (i == 1) || (i >= 5 && i <= 6))		
◯ if (((i == 1) && (i == 2)) || (i == 3) || (i >= 5 && i <= 6))		
Total	1.00 / 1.00	

Question 4

Soit le code suivant:

```
int x = 4;
int y = 5;
int z = 15;
if (x * y == z){
        System.out.print("1 ");
        x += 3;
        z -=2;
}
else{
        System.out.print("2 ");
}
```

```
if (z % 2 == 0){
        if ( x + z == 10){
                System.out.print("3 ");
        }
        else{
                System.out.print("4 ");
        }
}
else{
        System.out.print("5 ");
}
```

Qu'affiche ce programme?

Your Answer	Score	Explanation
○ 1 4		
○ 2 4		
○ 1 3		
⦿ 2 5	✔ 1.00	
Total	1.00 / 1.00	

Question 5

Soit le code suivant:

```
int a = 2;
int b = 3;
int c = 5;
int d = 8;
if (a + b == c){
        if (b + c == d){
                System.out.print("1");
                if (a + c == d){
                        System.out.print("2");
                }
        }
        else{
                System.out.print("3");
```

```
                }
        }
        else{
                if (a + d == c){
                        System.out.print("4");
                }
                else{
                        System.out.print("5");
                }
        }
```

Qu'affiche ce programme?

You entered:

```
1
```

Your Answer	Score	Explanation
1	✔ 1.00	
Total	1.00 / 1.00	

Question 6

Quel code produira la sortie suivante:

```
La Mi Mi
```

?

Your Answer	Score	Explanation

◉

```
boolean test1 = true;
boolean test2 = (false || test1);
boolean test3 = true;
if (test1 || test2){
    System.out.print("La ");
}
else{
    System.out.print("Si ");
}
test1 = !test3;
if ((!test1 && test2) || test3){
```

✔   1.00

```java
    if (test1 && test3){
        System.out.print("Do ");
    }
    else{
        System.out.print("Mi ");
    }
    if (test3){
        System.out.print("Mi ");
    }
    else{
        System.out.print("Fa ");
        }
}
```

○

```java
boolean test1 = true;
boolean test2 = (false || test1);
boolean test3 = true;
if (test1 && test2){
    System.out.print("La ");}
else{
    System.out.print("Si ");}
test1 = test3;
if ((!test1 && test2) || test3){
    if (test1 && test3){
        System.out.print("Do ");}
    else{
        System.out.print("Mi ");}
    if (!test3){
        System.out.print("Mi ");}
    else{
        System.out.print("Fa ");}
}
```

○

```java
boolean test1 = true;
boolean test2 = (false || test1);
boolean test3 = true;
if (test1 || test2){
    System.out.print("La ");}
else{
    System.out.print("Si ");}
test1 = !test3;
if ((!test1 && test2) || test3){
    if (test1 && test3){
        System.out.print("Do ");}
    else{
        System.out.print("Mi ");}
    if (!test3){
        System.out.print("Mi ");}
```

```
    else{
        System.out.print("Fa ");}
}
```

○
```
boolean test1 = true;
boolean test2 = (false || test1);
boolean test3 = true;
if (test1 && test2){
        System.out.print("La ");}
else{
        System.out.print("Si ");}
test1 = test3;
if ((!test1 && test2) || test3){
    if (test1 && test3){
        System.out.print("Do ");}
    else{
        System.out.print("Mi ");}
    if (test3){
        System.out.print("Mi ");}
    else{
        System.out.print("Fa ");}
}
```

Total	1.00 / 1.00