



JIU IT Major 20230124 PMJ, AEJ

Object-Oriented Programming

Practice Week2

What is wrong in the following code?

```
if (score >= 60) System.out.println("D");  
else if (score >= 70) System.out.println("C");  
else if (score >= 80) System.out.println("B");  
else if (score >= 90) System.out.println("A");  
else System.out.println("F");
```



Question 2. Boolean

x	y	x y	x && y
true	true	true	true
true	false	true	false
false	true	true	false
false	false	false	false



Question 2. Boolean

True = 1, False = 0

x	y	x y	x && y
1 true	1 true	true	true
1 true	0 false	true	false
0 false	1 true	true	false
0 false	0 false	false	false

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

(true) && (3 > 4)

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

1 && 0

[true] && [3 > 4]



Question 2. Boolean

True = 1, False = 0

x	y	x y	x && y
1 true	1 true	true	true
1 true	0 false	true	false
0 false	1 true	true	false
0 false	0 false	false	false

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

$!(x > 0) \ \&\& \ (x > 0)$

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

0 && 1
!($x > 0$) && ($x > 0$)

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

$(x > 0) \parallel (x < 0)$

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

1
 $(x > 0)$ **\parallel** **0**
 $(x < 0)$



Question 2. Boolean

True = 1, False = 0

x	y	x y	x && y
true 1	true 1	true	true 1
true 1	false 0	true	false
false 0	true 1	true	false
false 0	false 0	false 0	false

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

$(x \neq 0) \parallel (x == 0)$

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

1
 $(x \neq 0) \parallel (x == 0)$
0

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

$(x \geq 0) \parallel (x < 0)$

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

1
 $(x \geq 0) \parallel (x < 0)$

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

$$(x \neq 1) == !(x == 1)$$

3.10.1 Assuming that x is 1, show the result of the following Boolean expressions:

$$\begin{array}{ccc} 0 & == & 0 \\ (x \neq 1) & == & !(x == 1) \end{array}$$



Question 3. Switch

```
System.out.println("switch(1)");
switch(1) {
    case 1:
        System.out.println("one");
        break;
    case 2:
        System.out.println("two");
        break;
    case 3:
        System.out.println("three");
        break;
    default:
        System.out.println("default");
        break;
}
```



Question 3. Switch

```
System.out.println("switch(1)");  
switch(1) {  
    case 1:  
        System.out.println("one");  
        break;  
    case 2:  
        System.out.println("two");  
        break;  
    case 3:  
        System.out.println("three");  
        break;  
    default:  
        System.out.println("default");  
        break;  
}
```



```
switch(1)  
one
```

Question 3. Stdin and Stdout

https://www.hackerrank.com/

The screenshot shows the HackerRank website with a navigation bar at the top containing links for Products, Solutions, Resources, Pricing, For Candidates, Request Demo, and a Get Started button. The main content is split into two columns. The left column, titled 'For Companies' with a 'BUSINESS' tag, describes the platform as a market-leading technical interview tool and includes a 'Login' button and a link to 'Contact sales or Get free trial.' The right column, titled 'For Developers', invites over 21 million developers to practice coding and includes a 'Login' button. A '2023 Developer Skills Report' pop-up is visible on the right, offering to discover in-demand skills and languages. The footer features logos for Peloton, Atlassian, Bloomberg, VMware, Stripe, Goldman Sachs, Adobe, and LinkedIn, along with a cookie policy notice.

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Question 3. Stdin and Stdout

The screenshot displays the HackerRank 'Prepare' interface. At the top, the navigation bar includes 'HackerRank', 'PREPARE' (highlighted with a 'NEW' badge), 'CERTIFY', and 'COMPETE'. A search bar and user profile 'Mandy5G' are on the right. The main heading is 'Prepare', with a link to 'Bookmarked Challenges'. Under 'Your Preparation', there are two topic cards:

- Java**: Shows 'PREPARE BY TOPICS', a progress bar at 12%, and the text 'Get to 25 points to unlock this badge'. A green 'Continue Preparation' button is at the bottom.
- Problem Solving**: Shows 'PREPARE BY TOPICS', a progress bar at 30%, and the text '(49 points to next star)'. A green 'Continue Preparation' button is at the bottom.

<https://www.hackerrank.com/>

Introduction to Java

The term Java from Java island...

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