

Week 2 pre-reading quiz

Test Your knowledge for Week 2!

Question 1 *Submitted Mar 6th 2022 at 10:03:27 pm*

Which of the following is NOT true for both **Java variables** AND **Java constants**?

Hint: If you are unsure try it in IntelliJ. This applies to all questions in this pre-reading quiz.

- ☐ Neither can be used without first being declared
- ☐ Both can be initialised at declaration
- ☐ Both must have a data type
- ☐ Both can be initialised after declaration
- ☒ Both can have a name that begins with a number
- ☐ If you think all of the above are true for both Java variables and Java constants, select this option

Question 2 *Submitted Mar 6th 2022 at 10:04:08 pm*

Can a **Java constant** that has been declared and initialised be used to initialise a **Java variable**?

Can a **Java variable** that has been declared but not yet initialised be used to initialise a **Java constant**?

- ☐ No, No
- ☒ Yes, No
- ☐ No, Yes

☐ Yes, Yes

Question 3 Submitted Mar 6th 2022 at 10:04:35 pm

What is wrong with the following statement?

```
double no1=10,n2o=3.6,no3;
```

- ☐ no3 must initialized for the statement to get compiled.
- ☐ n2o variable name is incorrect
- ☐ We cannot separate the variables by a comma ','
- ☐ no1 must be initialized with a double value
- ☒ Nothing is wrong. The statement is syntactically correct

Question 4 Submitted Mar 6th 2022 at 10:05:06 pm

Given the following syntax template:

`dataType variableName [, variableName [= dataValue]]...;`

Would it be valid to declare a variable with an initial value and a variable without an initial value in the same declaration statement?

- ☐ No
- ☐ Yes without restrictions
- ☒ Yes with restrictions
- ☐ Not sure

Question 5 Submitted Mar 6th 2022 at 10:05:38 pm

What is the output of the following piece of code?

```
int x,y,z;  
x=3;  
y=5;  
z=7;  
z=x=y;  
System.out.println(x+" "+ y +" "+ z);
```

☒ 5 5 5

☐ 5 3 7

☐ 3 5 7

☐ 3 3 3

Question 6 Submitted Mar 6th 2022 at 10:06:05 pm

Will the following statement sequence compile? If not which line causes the compile error?

The line numbers are just for reference.

```
1  int i;  
2  int j = i;  
3  j = 3;
```

☐ yes

☐ no, line 1

☒ no, line 2

☐ no, line 3

Question 7 Submitted Mar 6th 2022 at 10:06:23 pm

Which of the following data types can only store data approximately?

☐ int

☐ long

☐ boolean

☒ float

☐ String

Question 8 *Submitted Mar 6th 2022 at 10:07:02 pm*

Will the following piece of code compile? If not which line causes the compile error?

The line numbers are just for reference.

```
1  int no=10;  
2  boolean flag=true;  
3  double rate=1.5;  
4  String unit="1051";  
5  System.out.println(no+unit+rate);  
6  System.out.println(no+flag+unit+rate);
```

☐ yes

☐ no, 1

☐ no, 2

☐ no, 3

☐ no, 4

☐ no, 5

☒ no, 6