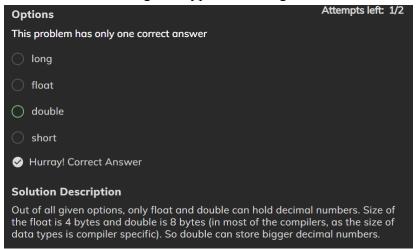
Lecture 2 - Getting Started with Java

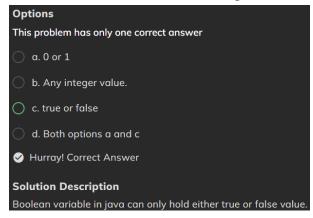
1.Size of long: Primitive data type 'long' is having size _____ byte(s) in Java Programming. => 8

2.Datatype

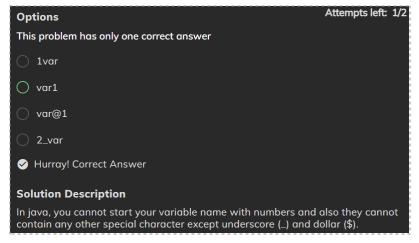
Which of the following data type stores longest decimal number?



3. Which of these values can be assigned to a boolean variable in Java?



4. Which of these is a valid variable name?



5. Compiler never assigns a default value to an uninitialized local variable in Java Programming. Whether this statement is true or false?

Options	Attempts left: 1/2
This problem has only one correct answer	
○ True	
○ False	
✓ Hurray! Correct Answer	
Solution Description	
In java, its compulsory to initialise any local variable before usin compiler don't assign any default/garbage value to variables.	ig it because

6. What is the output of the following code if the input is : 5 10 ?

Scanner s = new Scanner(System.in);

int a = s.nextInt();

int b = s.nextInt();

System.out.println(a+b);

Ans => 10

- 7. What is the output of the following code if the input string is "Coding Ninjas"? Scanner s = new Scanner(System.in); String str; str = s.next(); System.out.print(str); Ans => coding
- 8. What is the output of the following code if input is :

10 abc def

Scanner s = new Scanner(System.in);

int a = s.nextInt();

```
String str = s.next();
System.out.print(a);
System.out.println(str);
```

=> 10abc

"s.nextInt()" scans and returns the next token as int. A token is part of entered line that is separated from other tokens by space, tab or newline. So when input line is - "10 abc def" then s.nextInt() returns the first token as int i.e. "10" and s.next() returns the next token "abc". While printing, in first statement a is printed and then str. There is no space or nextline between both print. Hence output is: 10abc.

9. What is the output of the following code if input is: abc def 10

```
Scanner s = new Scanner(System.in);

String str = s.next();

int a = s.nextInt();

System.out.print(str + " " + a);
```

"s.next()" scans and returns the next token as String. A token is part of entered line that is separated from other tokens by space, tab or newline. So when input line is - "abc def 10" then s.next() returns the first token as String i.e. "abc" and s.nextInt() tries to convert the next token i.e. "def" into an int, which gives InputMismatchException.

Average Marks

Write a program to input a name(as a single character) and marks of three tests as m1, m2, and m3 of a student considering all the three marks have been given in integer format.

Now, you need to calculate the average of the given marks and print it along with the name as mentioned in the output format section.

All the test marks are in integers and hence calculate the average in integer as well. That is, you need to print the integer part of the average only and neglect the decimal part.

Input format:

Line 1 : Name(Single character)

Line 2: Marks scored in the 3 tests separated by single space.

Output format:

First line of output prints the name of the student. Second line of the output prints the average mark.

Constraints

Marks for each student lie in the range 0 to 100 (both inclusive)

Sample Input 1:

Α

3 4 6

Sample Output 1:

Α

```
4
Sample Input 2:
738
Sample Output 2:
6
import java.util.Scanner;
public class Solution {
    public static void main(String[] args) {
   /* Your class should be named Solution.
    * Read input as specified in the question.
    * Print output as specified in the question.
    Scanner sc = new Scanner(System.in);
    String name = sc.next();
    char n = name.charAt(0);
   int a,b,c;
    a = sc.nextInt();
   b = sc.nextInt();
   c = sc.nextInt();
    System.out.println(n+"\n"+(a+b+c)/3);
   }
}
```