

# Practice Test of Java Basics 2

Total points 60/60 ?

TE - A, B and C (2020-2021)

The respondent's email address (**ameythakur@ternaengg.ac.in**) was recorded on submission of this form.

✓ When a value is smaller than the smallest value that a data type can handle, it is said that an \_\_\_\_\_ has occurred.

- ☒ underflow ✓
- ☐ minus infinity
- ☐ large negative number
- ☐ negative overflow

Choose the correct result for the following

	Infinity or - Infinity	devided by zero exception	Nan	Score	
Integer devided by zero	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓
float devided by zero	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
double devided by zero	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
float type zero devided by zero	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	1/1	✓



✓ The keyword \_\_\_\_\_ is used when a variable is declared so that the value 1/1 of that variable cannot be changed once it is initialized, or assigned for the first time.

- ☐ private
- ☐ static
- ☐ constant
- ☒ final



✓ At compile time, java file is compiled by Java Compiler and converts 1/1 \_\_\_\_\_ into \_\_\_\_\_

- ☐ object code to bytecode
- ☐ bytecode to machine code
- ☐ Java code to ASCII code
- ☒ the java code into bytecode.



Choose the correct value of x for the below expressions.

	2.0	0.0d	3	0.75	2.5	0.0	0.0f	10.0	error
float x = 8/9;	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
double x = 10d + 8/9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
double x = (10.0+8)/9	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
float x = 8.0+9;	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
double x = (1/4)*(12d- 4)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
int x = (int) (1.5+1.5)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
double x = (int)1.5+1.5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
double x = 3/4.0	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
double x = 3/4*4/3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
double x = 4/3* (float)3/4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Roll No

50



Mark the correct option for the following

	Automatically converted	Automatically converted but precision lost	Type casting required	Assignment not allowed	Score	
byte to double	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
byte to boolean	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	1/1	✓
byte to char	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓
short to long	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
short to char	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓
short to boolean	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	1/1	✓
long to short	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓
long to int	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓
int to double	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
long to char	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓
float to int	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓
short to byte	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓
float to short	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓
float to double	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
float to long	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓



double to short	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓
double to long	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
boolean to int	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	1/1	✓
boolean to short	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	1/1	✓
boolean to byte	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	1/1	✓

✓ A variable declared \_\_\_\_\_ body of the method, 1/1 is called instance variable.

- ☐ inside the
- ☐ outside the class but inside the
- ☒ inside the class but outside the
- ☐ inside and outside



TE- DIV

- ☐ A
- ☒ B
- ☐ C



✓ A variable declared \_\_\_\_\_ of the method is called local variable 1/1

- ☒ inside the body
- ☐ as part of the class attributes
- ☐ As part of the main method
- ☐ private



✓ When a value is larger than the biggest value that a data type can handle, 1/1 it is said that an \_\_\_\_\_ has occurred.

- ☐ does not fit
- ☐ undefined
- ☒ overflow
- ☐ infinity



What type of error these are having?

	mismatched data type	no semicolon at the end	syntax error	Undefined data type	undefined variable type	use a reserve word	Score
int i = 9	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
int j = 1.0 ;	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
boolean done = "false";	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
char input character = 'x';	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
Int k = 1;	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
m = 5e- 13;	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1
char class = 'A';	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	1/1
String s1 = 'W';	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
string s2;	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
char import = 'X';	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	1/1



Name

Amey Thakur



✓ A static variable is that i) It cannot be local. ii) one can create a single copy of static variable and share among all the instances of the class. iii) Memory allocation for static variable happens only once when the class is loaded in the memory. 1/1

- ☐ only one is correct
- ☐ only ii is correct
- ☐ i and ii are correct
- ☒ all are correct





Specify the data type of these values.

	int	float	double	long	byte	boolean	char	String	Score
9.0	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
'8'	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1
1.0e10	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
15d	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
900F	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
25834	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
"888"	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	1/1
"16.0d"	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
15L	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1
1e1	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1



This form was created inside of Terna.

Google Forms

