

LEVEL 1

Basic Concepts 1

Complete your Hitbullseye and MyPerfectice(PAID)

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MCQ Test Java: Basic Concepts 1

Q1:

What is the range of short data type in Java?

Tags:

Section:

Core Programming

Options:

-128 to 127

-32768 to 32767

-2147483648 to 2147483647

None of these

Show AnswerShow Explanation

Q2:

Which of the following are legal lines of java code?

1. int w = (int)888.8;

2. byte x = (byte)100L;

3. long y = (byte)100;

4. byte z = (byte)100L;

Tags:

Section:

Core Programming

Options:

1 and 2

2 and 3

3 and 4

All of the above

Show AnswerShow Explanation

Q3:

An expression involving byte, int and literal numbers is promoted to which of these in java?

Tags:

Section: Core

Show AnswerShow Explanation

Q4:

Which data type value is returned by all transcendental math functions in java?

Tags:

Section:

Core Programming

Options:

Programming

Options:

int

long byte float

int

float

double

long

Show AnswerShow Explanation

Q5:

Which component is used to compile, debug and execute java program?

Tags:

Section: Core
Programming

Options:

JVM

JDK

JIT JRE

Show AnswerShow Explanation

Q6:

Which component is responsible for converting byte code into machine specific code in java?

Tags:

Section: Core

Options:

JVM

JDK

JIT

JRE

Programming

Show AnswerShow Explanation

Q7:

Which statement is true about java?

Tags:

Section: Core

Programming

Options:

Platform independent programming language

Platform dependent programming language

Code dependent programming language

Sequence dependent programming language

Show AnswerShow Explanation Q8:

What is the function of interpreter?

Tags:

Section: Core

Programming

Options:

An interpreter converts the higher level program code into machine code line

by line

Interpreter converts the whole of a higher level program code into machine code in one step
General purpose language providing very efficient execution

execution None of these

Show AnswerShow Explanation

Q9:

Which of the following is long data type literal in java?

Tags:

Section: Core

Programming

Options:

0x99ffL

ABCDEFGH

0x99ffa

99671246

Show AnswerShow Explanation

Q10:

Which of these can be returned by the operator & in java?

Tags:

Section: Core

Programming

Options:

Integer

Boolean

Character

Integer or Boolean

Show AnswerShow Explanation

Q11:

In java, literal can be of which of these data types?

Tags:

Section: Core

Programming

Options:

Integer

Float

Boolean

All of the above

Show AnswerShow Explanation

Q12:

Which one of these lists contains all the keywords supported by Java programming language?

Tags:

Section: Core

Programming

Options:

class, if, void, long, int, continue, virtual

goto, instanceof, native, finally, default, throws

try, virtual, throw, final, volatile, transient strictfp, constant, super, implements, do byte, break, assert, switch, include

[Hide Answer](#)[Show Explanation](#)

Q13:

```
public interface Foo
```

```
{
```

```
int k = 4; // Line 1
```

```
}
```

Which three piece of codes are equivalent to line 1?

1. final int k = 4;
2. public int k = 4;
3. static int k = 4;
4. abstract int k = 4;
5. volatile int k = 4;
6. protected int k = 4;

Tags:

Section: [Core](#)

[Programming](#)

Options:

1, 2 and 3

2, 3 and 4

3, 4 and 5

4, 5 and 6

[Show Answer](#)[Show Explanation](#)

Q14:

What is the numerical range of a char in java?

Tags:

Section: [Core](#)

[Programming](#)

Options:

-128 to 127

-(215) to (215) - 1

0 to 32767

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Q15:

Which of the following are legal declarations for classes and interfaces in java?

1. final abstract class Test {}
 2. public static interface Test {}
 3. final public class Test {}
 4. protected abstract class Test {}
 5. protected interface Test {}
 6. abstract public class Test {}
- Tags:

Section: Core

Programming

Options:

1 and 4

2 and 5

3 and 6

4 and 6

Show AnswerShow Explanation

Q16:

Which of these is necessary condition for automatic type conversion in Java?

Tags:

Section: Core

Programming

Options:

The destination type is smaller than source type

The destination type is larger than source type

The destination type can be larger or smaller than source type

Show AnswerShow Explanation

Q17:

What is Truncation in Java?

Tags:

Section: Core

Programming

Options:

Floating-point value assigned to an integer type

Integer value assigned to floating type

Floating-point value assigned to an Floating type

None of these Show AnswerShow

Explanation Q18:

Which operator is used to invert all the digits in binary representation of a number in java?

Tags:

Section: Core

Programming

Options:

☒

<<<

>>>

^

Show AnswerShow Explanation

Q19:

Which of these statements are incorrect?

Tags:

Section: Core

Programming

Options:

The left shift operator, <<, shifts all of the bits in a value to the left specified number of times

The right shift operator, >>, shifts all of the bits in a value to the right specified number of times

The left shift operator can be used as an alternative to multiplying by 2

The right shift operator automatically fills the higher order bits with 0

Show AnswerShow Explanation Q20:

Which datatype should be the result of expression1, so that the following expression works fine in java?

expression1 ? expression2 : expression3 Tags:

Section: Core

Programming

Options:

Integer

Floating point numbers

Boolean

None of these

Show AnswerShow Explanation

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Basic Concepts 2

Q1:

From where break statement causes an exit?

Tags:

Section:

Core Programming

Options:

Only from innermost loop

Terminates a program

Only from innermost switch

From innermost loops or switches

Show AnswerShow Explanation

Q2:

Which of the following is a method having same name as that of it's class in java and C++?

Tags:

Section:

Core Programming

Show AnswerShow Explanation

Q3:

Which of these operators can be used to concatenate two or more String objects in java?

Tags:

Section:

Core Programming

Options:

+

=+

&

!!

Show AnswerShow Explanation

Q4:

Which of these is a wrapper for data type int in java?

Tags:

Section:

Core Programming

Options:

Integer

Long

Byte

Double

Show AnswerShow Explanation

Q5:

Options:

finalize

delete class

constructor

In java, which of the following is method of wrapper Integer for converting the value of an object into int?

Tags:

Section:

Core Programming

Options:

bytevalue()

int intValue();

Bytevalue()

Byte Bytevalue

Show AnswerShow Explanation

Q6:

Standard output variable 'out' is defined in which class in java?

Tags:

Section:

Core Programming

Options:

Void

Process

Runtime

System

Show AnswerShow Explanation

Q7:

Which of the following is the advantage of BigDecimal over double in java?

Tags:

Section:

Core Programming

Options:

Easier syntax

Less memory usage

Less garbage creation

More precision

Show AnswerShow Explanation

Q8:

Which two statements produce the same result in java?

16*4

16>>2

16/2^2

16>>>2

Tags:

Section:

Core Programming

Options:

1 and 2

2 and 4

3 and 4

1 and 3

Show AnswerShow Explanation

Q9:

JVM stands for _____ .

Tags:

Section:

Core Programming

Options:

Java Virtual Machine

Java Virtual Memory

Java Virtual Mechanism

Java Virtual Management

Show AnswerShow Explanation

Q10:

Which class loader loads jar files from JDK directory?

Tags:

Section:

Core Programming

Options:

Bootstrap

Extension

System

Heap

Show AnswerShow Explanation

Q11:

Which of the following has replaced PermGen in java 8 update?

Tags:

Section:

Core Programming

Options:

Code Cache

Tenured Space

Metaspace

Eden space

Show AnswerShow Explanation

Q12:

Classes and Methods are stored in which space in java?

Tags:

Section:

Core Programming

Options:

Eden space
Survivor space
Tenured space

Permanent space

Show AnswerShow Explanation

Q13:

Which of these are types of multitasking?

Tags:

Section:

Core Programming

Options:

Process based multitasking

Thread based multitasking

Process and Thread based multitasking

None of the mentioned

Show AnswerShow Explanation

Q14:

What does not prevent JVM from terminating?

Tags:

Section:

Core Programming

Options:

Process

Daemon Thread

User Thread

JVM Thread

Show AnswerShow Explanation

Q15:

What does AWT stands for?

Tags:

Section:

Core Programming

Options:

All Window Tools

All Writing Tools

Abstract Window Toolkit

Abstract Writing Toolkit

Show AnswerShow Explanation

Q16:

Which of these methods is a part of Abstract Window Toolkit (AWT)?

Tags:

Section:

Core Programming

Options:

display()

paint()

drawString()

transient()

Show AnswerShow Explanation

Q17:

Which of the following is advantage of using PreparedStatement in Java?

Tags:

Section:

Core Programming

Options:

Slow performance

Encourages SQL injection

Prevents SQL injection

More memory usage

Show AnswerShow Explanation

Q18:

Which of the following is used to call stored procedure in java?

Tags:

Section:

Core Programming

Options:

Statement

PreparedStatement

CallableStatment

CalledStatement

Show AnswerShow Explanation

Q19:

What is an event in delegation event model used by Java programming language?

Tags:

Section:

Core Programming

Options:

An event is an object that describes a state change in a source

An event is an object that describes a state change in processing

An event is an object that describes any change by the user and system

An event is a class used for defining object, to create events

Show AnswerShow Explanation

Q20:

How does applet and servlet communicate in java?

Tags:

Section:

Core Programming

Options:

HTTP

HTTPS

FTP

HTTP Tunneling

Show AnswerShow Explanation

Q21:

In CGI, process starts with each request and will initiate OS level process.

Tags:

Section:

Core Programming

Options:

True

False

Cannot be predicted

Depends on the situation

Show AnswerShow Explanation

Q22:

Which class provides system independent server side implementation in java?

Tags:

Section:

Core Programming

Options:

Socket

ServerSocket

Server

ServerReader

Show AnswerShow Explanation

Q23:

What does bind() method of ServerSocket offer?

Tags:

Section:

Core Programming

Options:

binds the serversocket to a specific address (IP address and port)

binds the server and client browser

binds the server socket to the JVM

binds the port to the JVM

Show AnswerShow Explanation

Q24:

What is the java method for ping?

Tags:

Section:

isReachable()

portBusy()

Show AnswerShow Explanation

Q25:

In java, hasNext() method of an iterator returns which type of value?

Tags:

Section:

Core Programming

Options:

Integer

Double

Boolean

Collections Object

Conditions

Core Programming

Options:

hostReachable() ping()

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Q1:

5 2

5 3

6 3

6 4

What will be the output of this java program?

```
class Test
```

```
{ public static void main(String []
```

```
args)
```

```
{ int x=
```

```
0; int y=
```

```
0;
```

```
for (int z = 0; z < 5; z++)
```

```
{ if (( ++x > 2 ) && (++y >
```

```
2))
```

```
{
```

```
x++;
```

```
}
```

```
}
```

```
System.out.println(x + " " + y);
```

```
}
```

```
}
```

Tags:

Section:

Core Programming

Options:

Show AnswerShow Explanation

Q2: `System.out.println("A && B");`

What will be the output of this java program?

```
class SSBool
```

```
{
    public static void main(String [] args)
    {
        boolean b1 = true;
        boolean b2 = false;
        boolean b3 = true;
        if ( b1 & b2 | b2 & b3 | b2 ) /* Line 8 */
            System.out.print("Ok ");
        if ( b1 & b2 | b2 & b3 | b2 | b1 ) /*Line 10*/
            System.out.println("Dokey");
    }
}
```

Tags:

Section:

Core Programming

Options:

Ok

Dokey If a is true and b is true then the output is "A && B" If a

is false then the output is "not B"

Ok dokey

No output is produced

output is "ELSE"

Compilation error

then the output is "ELSE"

Show AnswerShow Explanation

Q3:

What will be the output of the following java function? public

```
void foo( boolean a, boolean b)
```

```
{ if(
```

```
a )
```

```
{
```

```
System.out.println("A"); /* Line 5 */
```

```
}
```

```
else if(a && b) /* Line 7 */
```

```
{
```

Show AnswerShow Explanation

Q4:

What will be the output of this java program?

```
int i = 1, j = -1;
switch (i)
{
case 0, 1: j = 1; /* Line 4 */
case 2: j = 2;
default: j = 0;
}
System.out.println("j = " + j);
```

Tags:

Section:

Core Programming

Options:

j = -1

j = 0

j = 1

Compilation error

Show AnswerShow Explanation

Q5:

Which of these lines of code will give better performance?

1. $a \mid 4 + c \gg b \& 7;$

2. $(a \mid (((4 * c) \gg b) \& 7))$

Tags:

Section:

Core Pro

gramming

Options:

1 will give better performance as it has no parentheses. 2 will give better performance as it has parentheses.

Both 1 & 2 will give equal performance

Dependent on the computer system

Show AnswerShow Explanation

{

{

}

}

1

2

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Q6:

What is the output of this java program? class
selection_statements

```
public static void main(String args[])
```

```
int var1 = 5; int var2 = 6;  
if ((var2 = 1) == var1)  
System.out.print(var2);  
else  
System.out.print(++var2);
```

Tags:

Section:

Core Programming

Options:

3

4

Show AnswerShow Explanation

Q7:

What is the output of this java program? class

Output

```
{  
    static void main(String args[])  
    {  
        int x , y = 1;  
x = 10;
```

```
        if(x != 10 && x / 0 == 0)
            System.out.println(y);
        else
            System.out.println(++y);
    }
}
```

Tags:

Section:

Core Programming

Options:

1

2

Runtime Error

Compilation Error

Show AnswerShow Explanation

Q8:

What will be the output of this java program? int

i = 1, j = 10; do

```
{
    if(i > j)
    {
        break;
    }
    j--;
```

```
} while (++i < 5);
```

System.out.println("i = " + i + " and j = " + j);

Tags:

Section:

Core Programming

Options:

i = 6 and j = 5 i

= 5 and j = 5 i

= 6 and j = 4

i = 5 and j = 6

Show AnswerShow Explanation

Q9:

What will be the output of this java program?

```
public class SwitchTest
```

```
{    public static void main(String[]
```

```
args)
```

```
{
```

```
    System.out.println("value = " + switchIt(4));
```

```
    }    public static int
```

```
switchIt(int x)
```

```
{
```

```
    int    j    =    1;
```

```
switch (x)
```

```
{    case
```

```
1: j++;    case
```

```
2: j++;    case
```

```
3: j++;    case
```

```
4: j++;    case
```

```
5: j++;
```

```
default: j++;
```

```
}
```

```
    return j + x;
```

```
}
```

```
}
```

Tags:

Section:

Core Programming

Options:

value = 2 value

= 4 value = 6

value = 8

Show AnswerShow Explanation

Q10:

What will be the output of this java program?

```
public class Switch2
{
    final static short x =
2;    public static int y =
0;
    public static void main(String [] args)
    {
        for (int z=0; z < 3;
z++)
        {
switch (z)
        {
            case y: System.out.print("0 "); /* Line
11 */
            case x-1: System.out.print("1 "); /* Line 12
*/
            case x: System.out.print("2 "); /* Line 13 */
        }
        }
    }
}
```

Tags:

Section:

Core Programming

Options:

0 1 2

0 1 2 1 2 2

Compilation fails at line 11

Compilation fails at line 12

Q1:

Which of these is incorrect string literal in java?

Tags:

Section:

Core Programming

Options:

“Hello World”

“Hello\nWorld”

“\”Hello World\””

“Hello
world”

"@world”

Show AnswerShow Explanation

Q2:

String in Java is a?

Tags:

Section:

Core Programming

Options:

class object

variable

character array

Show AnswerShow Explanation

Q3:

Which of these methods of String class is used to obtain character at specified index in java?

Tags:

Section:

Core Programming

Options:

char() Charat()

charat()

charAt()

Show AnswerShow Explanation

Q4:

Which of these methods of String class can be used to compare two strings based on their content in java?

Tags:

Section:

Core Programming

Options:

isequal()

isequals()

equal() **equals()**

Show AnswerShow Explanation

Q5:

Which of the following statements is incorrect about strings in java?

Tags:

Section:

Core Programming

Options:

String is a class

Strings in java are mutable

Every string is an object of class String

Java defines a peer class of String called StringBuffer which allows string to be altered

Show AnswerShow Explanation

Q6:

Which of these methods of class String is used to obtain length of a String object in java?

Tags:

Section:

Core Programming

Options:

get() Sizeof()

lengthof()

length()

Show AnswerShow Explanation

Q7:

Which of these constructors is used to create an empty String object in java?

Tags:

Section:

Core Programming

Options:

String()

String(int)

String(0)

None of these

Show AnswerShow Explanation

Q8:

Which of these is an incorrect statement about strings in java?

Tags:

Section:

Core Programming

Options:

String objects are immutable, they cannot be changed

String object can point to some other reference of String variable

StringBuffer class is used to store string in a buffer for later use None of these

Show AnswerShow Explanation

Q9:

In java, which of these methods is an alternative to getChars() that stores the characters in an array of bytes?

Tags:

Section:

Core Programming

Options:

getBytes() GetByte()

giveByte()

GiveBytes()

Show AnswerShow Explanation Q10:

Which of these methods is used to compare a specific region inside a string with another specific region in another string in java?

Tags:

Section: Core

Programming

Options:

regionMatch()

match()

RegionMatches()

regionMatches()

Show AnswerShow Explanation Q11:

In the below java code, which code fragment should be inserted at line 3 so that the output will be: "123abc 123abc"? 1 StringBuilder sb1 = new

StringBuilder("123");

2 String s1 = "123";

3 // insert code here

4 System.out.println(sb1 + " " + s1); Tags:

Section: Core

Programming

Options:

sb1.append("abc"); s1.append("abc"); sb1.append("abc");

s1.concat("abc"); sb1.concat("abc"); s1.append("abc");

sb1.append("abc"); s1 = s1.concat("abc");

Show AnswerShow Explanation Q12:

Which of these method of class String is used to extract a substring from a String object in java?

Tags:

Section:

Core Programming

Options:

substring() SubString()

Show AnswerShow Explanation

Q13:

Which of these method of class String is used to remove leading and trailing whitespaces in java?

Tags:

Section:

Core Programming

Options:

startsWith()

trim()

Trim()

doTrim()

Show AnswerShow Explanation

Q14:

What is the output of this java program?

class Output

```
{
    public static void main(String args[])
    {
        long start, end;
        start = System.currentTimeMillis();
        for (int i = 0; i < 10000000; i++);
        end = System.currentTimeMillis();
        System.out.print(end - start);
    }
}
```

Tags:

Section:

Core Programming

Options:

0

1

1000

System Dependent

Show AnswerShow Explanation

Q15:

How to format date from one form to another in java?

Tags:

Section:

Core Programming

Options:

SimpleDateFormat

DateFormat

SimpleFormat

DateConverter

Show AnswerShow Explanation Q16:

How to identify if a timezone is eligible for DayLight Saving in java?

Tags:

Section: Core

Programming

Options:

useDaylightTime() of Time class useDaylightTime()

of Date class useDaylightTime() of TimeZone class

useDaylightTime() of DateTime class

Show AnswerShow Explanation Q17:

How to get difference between two dates in java?

Tags:

Section: Core

Programming

Options:

long diffInMilli = java.time.Duration.between(dateTime1, dateTime2).toMillis();

long diffInMilli = java.time.difference(dateTime1, dateTime2).toMillis();

Date diffInMilli = java.time.Duration.between(dateTime1, dateTime2).toMillis();

Time diffInMilli = java.time.Duration.between(dateTime1, dateTime2).toMillis();

Show AnswerShow Explanation

Q18:

In java, which of these classes is used to create an object whose character sequence is mutable?

Tags:

Section:

Core Programming

Options:

String()

StringBuffer()

Both of the mentioned

None of these

Show AnswerShow Explanation

Q19:

What is the string contained in s after following java code is executed?

```
StringBuffer s = new StringBuffer("Hello");
```

```
s.deleteCharAt(0);
```

Tags:

Section:

Core Programming

Options:

Hell

ello

Hel

llo

Show AnswerShow Explanation

Q20:

What is the output of this java program?

```
class output
```

```
{
```

```
public static void main(String args[])
```

```
{
```

```
StringBuffer c = new StringBuffer("Hello");
```

```
c.delete(0,2);
```

```
System.out.println(c);
```

```
}
```

```
}
```

Tags:

Section:

Core Programming

Options:

He

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lo

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