



Java Programming

ECET Previous MCQs



AP ECET 2016



184. Which of the following Inheritance mechanisms is not supported in Java

- (1) Single level
- (2) Multiple level
- (3) Multi level
- (4) All the above

186. What is the output of the following given Java code:

```
public class Ecet {  
    public static void main (string[] args) {  
        new Ecet().go("hello", 1);  
        new Ecet().go("hello", "word", 2);  
    }  
    public void go (string y, int x) {  
        System.out.print(y[y.length - 1] + " ");  
    }  
}
```

- (1) h he
- (2) hello world
- (3) world world
- (4) compilation fails

187. Which one of the following statements is TRUE?

- (1) At once, more than two threads may possibly end up in deadlock.
- (2) The JVM implementation guarantees that multiple threads cannot enter into a deadlocked state.
- (3) Deadlocked threads release once their sleep() method's sleep duration has expired.
- (4) Deadlocking can occur only when the wait(), notify(), and notifyAll() methods are used incorrectly.



188. Fill up the blank with one of the following statements for the given Java code which allows **Ecet** class to compile:

```
class Navigation{  
    public enum Direction {North, South, East, West}  
}  
public class Ecet{  
    _____  
}
```

- (1) Direction d = North;
- (2) Navigation.Direction d = Navigation.Direction.North;
- (3) Direction d = Direction.North;
- (4) Navigation.Direction d = North;



189. What is the output of the given Java code below?

```
interface TestA { String to String();}  
public class Test {  
    public static void main (String[] args) {  
        System.out.println(new TestA() {  
            public String to String() { return "test";}  
        });  
    }  
}  
(1) test  
(2) null  
(3) An exception is thrown at runtime  
(4) Compilation fails because of an error in line 1
```



190. Given the following Java code, _____ can directly access and change the value of the variable name?

```
package exam;  
class Ecet {  
    public String name = "hello";  
}
```


191. What is the output of the following Java code?

```
public class EcetString1 {  
    public static void main(String[] args) {  
        String str = "420";  
        str += 42;  
        System.out.print(str);  
    }  
}
```

- (1) 42 (2) 420 (3) 42042 (4) 462



192. Given the following Java code below, what is the output?

```
int a = 0;  
int b = 10;  
do {  
    b--;  
    ++a;  
} while (a<5);  
symtem.out.print(+a "," +b);
```

(1) 5,6

(2) 5,5

(3) 6,5

(4) 6,6



AP ECET 2017



Evaluate the following expression

(true && false) || true || false

Options :

1. 0
2. 1
3. false
4. 01



Which of the following automatic type conversion is supported in Java?

Options :

1. short to int
2. byte to int
3. int to long
4. long to int



What will be the return type of a method that will not return any value in a Java program?

Options :

1. void
2. int
3. double
4. string



Which of the following is valid statement for declaration, and initializing an array?

Options :

1. int [] myData;
2. int [] myData = (15, 8, 22);
3. int myData [] [] = {34,19,27,20};
4. int myData [] = {34, 63, 77};



The Java Compiler

Options :

Creates executable file

1. Creates new classes
2. Converts Java Source code to Byte code
3. Produces Java Interpreter
- 4.



Which of the following is true?

1. A class can extend more than one class.
2. A class can extend only one class but many interfaces.
3. An interface can extend many interfaces.
4. An interface can implement many interfaces.
5. A class can extend one class and implement many interfaces.

Options :

1. 1 and 2
2. 1.
2. 2 and 4
3. 3 and 5
3. 3 and 4
4. 4.



The concept of multiple inheritance is implemented in Java by

- I. Extending two or more classes.
- II. Extending one class and implementing one or more interfaces.
- III. Implementing two or more interfaces.

Options :

- Only (II)
- 1.
- 2. (I) and (II)
- 3. (II) and (III)
- 4. Only (I)



Which of the following package contains Exception class?

Options :

- 1. java.util
- 2. java.file
- 3. java.io
- 4. java.lang



What does AWT stands for?

Options :

- 1. All Window Tools
- 2. All Writing Tools
- 3. Abstract Window Toolkit
- 4. Abstract Writing Toolkit



Which of the following blocks execute automatically whether exception is caught or not?

Options :

1. finally
2. catch
3. throws
4. throw



_____ Method cannot be overridden.

Options :

- 1. super
- 2. static
- 3. final
- 4. Private



AP ECET 2018



Size of float and double in Java is

Options :

1. 32 and 64
2. 64 and 64
3. 32 and 32
4. 64 and 32



The prototype of the default constructor is

Options :

1. Set ()
2. Set (void)
3. Public Set ()
4. Public Set (void)

What is the output of the following program?

```
class Output  
{  
    public static void main(String args[])  
    {  
        boolean a = true;  
        boolean b = false;  
        boolean c = a ^ b;  
        System.out.println(!c);  
    }  
}
```

Options :

1. 0

2. True

3. False

4. 1



Given the following code fragment, What is the value of A[3]?



```
int A[];  
  
int i = 0;  
  
A = new int A[4];  
  
while (i < 4)  
  
{  
  
    A[i] = 10;  
  
    i = i + 1;  
  
}  
  
}
```

Options :

1. 0

2. 3

3. 10



Which class cannot be subclassed (or extended) in java?

Options :

1. Abstract class
2. Parent class
3. Final class
4. Sub Class



Thread class is available in

Options :

1. java.io package
2. java.lang package
3. java.awt package
4. java.util package

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Which of the operator is used to generate an instance of an exception than can be thrown by using throw?

Options :

1. new
2. malloc
3. alloc
4. thrown



String is the predefined

Options :

1. Method
2. Class
3. Variable
4. Object



Which of these methods can be used to output a string in an applet?

Options :

1. `display()`
2. `print()`
3. `drawString()`
4. `transient()`



Which of these keywords is used by a class to use an interface defined previously?

Options :

1. import
2. export
3. implements
4. variables passing



AP ECET 2019



_____ is a small program that is dynamically downloaded over the web.

Options :

1. Applet

2. Dynamic Program

3. Code chef

4. Snippet



What will be the result of the following Java expression?

`4*2>4&&3<5-3`

Options :

1. FALSE

2. TRUE

3. 0

4. 1



Which of the following creates an object called ob of MyClass?

Options :

1. `MyClass ob = new MyClass;`

2. `MyClass ob = new MyClass();`

3. `MyClass ob = MyClass;`

4. `MyClass ob = MyClass();`



_____ class has access to the other members of its enclosing class.

Options :

1. Nested

2. Static

3. Inner

4. Friend



_____ keyword is used to prevent a class from being inherited.

Options :

1. Super
2. Final
3. Constant
4. Interface



At the top of Java API Package hierarchy is _____.

Options :

1. Java
2. Object
3. Awt

4. Util



Orientation : vertical

In Java, all exceptions are derived from the class _____.

Options :

1. Exception
2. Error
3. Runtime Exception
4. Throwable



The method that makes the new thread running is _____.

Options :

1. `start()`
2. `run()`
3. `yield()`
4. `notify()`



To show a banner scrolled in an applet, the method used is _____.

Options :

1. `init()`
2. `paint()`
3. `repaint()`
4. `println()`



Garbage collection in Java is done

Options :

1. only manually by user
2. Automatically by java runtime
3. Both manually and automatically
4. Neither manually nor automatically



AP ECET 2020



Q.32 Which function is used to perform some action when the object is to be destroyed?

Ans

- 1. finalize ()
- 2. delete ()
- 3. main ()
- 4. remove ()



Q.35 Predict the output of following Java Program

```
class Test {  
    int i;  
}  
  
class Main {  
    public static void main (String args[]) {  
        Test t = new Test ();  
        System.out.println(t.i);  
    }  
}
```

Ans

- 1. Garbage value
- 2. 0
- 3. compile time error
- 4. run time error



Q.36 Which type of Constructor doesn't take any arguments?

Ans

- 1. Default
- 2. Parameterized
- 3. Copy Constructor
- 4. Nonargumented



Q.79 Which method is called only once during the run time of your applet?

Ans

- 1. Stop()
- 2. paint()
- 3. init()
- 4. destroy()



Q.89

Which of this class is super class of every class in java?

Ans

- 1. String class
- 2. Object class
- 3. Abstract class
- 4. Array List class



Q.99 Which of the following gets called when an object is being created?

Ans

- 1. Constructor
- 2. Virtual function
- 3. Destructors
- 4. Main



Q.15 Which method of string class in java is used to convert the Boolean into String?

Ans

- 1. Public static String valueOf(double I)
- 2. Public static String value Of(Boolean I)
- 3. Public Boolean equals(Object anObject)
- 4. Public static String valueOf(Object obj)



AP ECET 2021



Q.109 Which of the following refers to using the existing code instead of rewriting it?

Ans

- 1. Inheritance
- 2. Encapsulation
- 3. Abstraction
- 4. Polymorphism



Q.111 Which of these methods can be used to make the main thread to be executed last among all the threads?

Ans

✗ 1. stop()

✓ 2. sleep()

✗ 3. Join()

✗ 4. Call()



Q.120 Which of these keywords must be used to inherit a class?

Ans

- 1. Super
- 2. This
- 3. Extent
- 4. Extends



Q.138 Which of the following option leads to the portability and security of Java?

Ans

- ✓ 1. Bytecode is executed by JVM
- ✗ 2. The applet makes the Java code secure and portable
- ✗ 3. Use of exception handling
- ✗ 4. Dynamic binding between objects



Q.160

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

Ans

- 1. JVM
- 2. JDK
- 3. JRE
- 4. JIT

Ques ID - 17700007



Q.164 Which of these packages contains the exception Stack Overflow in Java?

Ans

- 1. java.lang
- 2. java.util
- 3. java.io
- 4. java.system



Q.184 When we create a string using a new operator in Java, in which memory this string is stored?

Ans

- 1. Stack
- 2. String memory
- 3. Heap memory
- 4. Random storage space



Q.188

Which method can be defined only once in a program?

Ans

- ✓ 1. main method
- ✗ 2. finalize method
- ✗ 3. static method
- ✗ 4. private method



AP ECET 2022



What is the output of the following code?

```
public class Solution{  
    public static void main(String[] args){  
        byte x = 127;  
        x++;  
        x++;  
        System.out.print(x);  
    }  
}
```

Options :

1. ✓ -127

2. ✗ 2

3. ✗ 127

4. ✗ 129

7/22/22, 4:00 PM



Which of the following is a correct way to declare arrays in java?

Options :

1. ✗ int [10]a = new int[];

2. ✗ int a[] = new int(10);

3. ✓ int []a = new int[10];

4. ✗ int a[] = new int{10};



When an array is passed to a method in Java, what does the method receive?

Options :

1. ✓ A reference to the array

2. ✗ The length of the array

3. ✗ A copy of the array

4. ✗ A copy of the first element of the array

22/22, 4:00 PM



What is the output of the following code?

```
public class Solution{  
    public static void main(String[] args){  
        short x = 10;  
        x = x * 5;  
        System.out.print(x);  
    }  
}
```

Options :

1. ✘ 50
2. ✘ 0
3. ✘ Exception
4. ✓ Compiler error



Response time Think time Minimum instruction time

Identify the keyword among the following that makes a variable belong to a class, rather than being defined for each instance of the class.

Options :

1. ✘ private

2. ✓ static

3. ✘ volatile

4. ✘ final



Identify what can directly access and change the value of the variable x.

```
Package com.mypackage;  
Public class Solution{  
    Private int x = 100;  
}
```

Options :

Any class

1. ✘

Any child class of Solution class

2. ✘

12/22, 4:00 PM

112/122

Any method of Solution class

3. ✓

Any class in the package com.mypackage

4. ✘



Where is the `toString()` method defined?

Options :

1. ✗ `java.lang.String`

2. ✓ `java.lang.Object`

3. ✗ `java.util`

4. ✗ `java.lang.util`



Identify the output of the following program.

```
String str = "abcde";
System.out.println(str.substring(1, 3));
```

Options :

7/22/22, 4:00 PM

1. ✓ bc

2. ✗ abc

3. ✗ cd

4. ✗ bcd



When is finalize() invoked in Java?

Options :

1. ✓ Just before an object is garbage collected
2. ✘ Just before an object goes out of scope
3. ✘ Just before a variable goes out of scope
4. ✘ Just before the program completes the execution



What is the output of the below code?

```
public class ThreadTest extends Thread
{
    public void run()
    {
        System.out.println("In run");
        yield();
        System.out.println("Leaving run");
    }
    public static void main(String []argv)
    {
        (new ThreadTest()).start();
    }
}
```

Options :

1. ❌ Compilation error in main()

2. ❌ Compilation error in run()

3. ❌ In run

In run
Leaving run

4. ✓
2/9/2024

AP ECET 2023



Q.135

_____ method compares the string objects in Java.

Ans

1. compare

2. compareTo

3. equalsTo

4. Similar



Q.149

Which of the following does not have super class?

Ans

✗ 1. System

✓ 2. Object

✗ 3. Integer

✗ 4. Exception



Q.158

Which of the following is serializable?

Ans

- ✓ 1. Interface
- ✗ 2. Class
- ✗ 3. object
- ✗ 4. Exception



Q.160

Scanner class is available in _____ package

Ans

- 1. Java.io
- 2. Java.net
- 3. Java.lang
- 4. Java.util



Q.170

Which of the following are not keywords in Java?

Ans

- 1. Int
- 2. Static
- 3. Final
- 4. Virtual



Q.177

Which one of the following is not access modifiers in Java?

Ans

X 1. Protected

✓ 2. Void

X 3. Public

X 4. Private



Q.188

_____ keyword signifies the property that the value of the variable cannot be changed

Ans

X 1. Static

✓ 2. Final

X 3. Public

X 4. volatile



Q.189

_____ method used to initialize a thread execution

Ans

1. Resume

2. Run

3. Start

4. Init



Q.200

_____ concept indicates giving multiple forms to an entity.

Ans

Encapsulation

✗ 1.

✗ 2. Abstraction

✓ 3. polymorphism

✗ 4. Inheritance



TS ECET-2020



The memory size of character in Java is _____.

Options :

16 bits
76439047121. ✓

8 bits
76439047122. ✗

4 bits
76439047123. ✗

8 bytes
76439047124. ✗



”>>>” operator in Java represents _____.

Options :

Shift right operation

76439047125. ❌

Double shift operation

76439047126. ❌

Shift right zero fill operation

76439047127. ✓

Shift right assignment operation

76439047128. ❌



Which of the following key word represents the invoking of current object?

Options :

76439047129. ✘ super

76439047130. ✓ this

76439047131. ✘ static

76439047132. ✘ curr



The valid syntax constructor in Java is _____.

Options :

Returntype classname()
{
//
}
76439047133. ❌

void classname ()
{
//
}
76439047134. ❌

Returntype classname(void)
{
//
}
76439047135. ❌

classname ()
{
//
}
76439047136. ✓



Which of the following variable is also known as class variable?

Options :

Local variable

76439047137. ❌

static variable

76439047138. ✓

final variable

76439047139. ❌

global variable

76439047140. ❌



In java, multiple inheritance is implemented is by using _____.

Options :

76439047141. interface

76439047142. abstract class

76439047143. class

76439047144. Inner class



Which of the following is checked exception in Java?

Options :

Illegal access exception

76439047149. ✓

Null pointer exception

76439047150. ❌

String index out of bounds exception

76439047151. ❌

Arithmetic exception

76439047152. ❌



_____ method ensures that main thread is the last to stop in Java thread?

Options :

live()
76439047157. ❌

stopfinal()
76439047158. ❌

killfinal()
76439047159. ❌

join()
76439047160. ✓



TS ECET-2021



Which of the following statement is true?

Options :

In java, an abstract class should contain at least two abstract methods inside it.

1. ✘

We can instantiate abstract classes also inside java.

2. ✘

3. ✓

In java, if any class say child, is inheriting an abstract class say parent, then whatever abstract methods declared in abstract class (parent) should have to implement inside derived class child.

Abstract classes cannot implement any interface in java.

4. ✘



The smallest integer data type in JAVA is _____.

Options :

1. ✘ short

2. ✘ int

3. ✓ byte

4. ✘ float

```

import java.util.Scanner;

class program{

    public static void main(String args[])
    {

        int[] arr = new int[10];

        Scanner sc = new Scanner(System.in);

        for(int i=0;i<arr.length;i++)

            arr[i] = sc.nextInt();

        int result=0;

        for(int i=0;i<arr.length;i++)
            result = result^arr[i];

        System.out.println(result);

    }
}

```

Options :

1. ✳ 15

2. ✳ 12

3. ✳ 0

4. ✓ 10

What is the output of above java code, if the array elements are {9,8,7,6,5,4,3,2,1,11}?



```

class demo {
    demo() { }

    demo(demo d) { d1 = d; }

    demo d1;

    public static void main(String[] args) {
        demo d2 = new demo();
        demo d3 = new demo(d2);
        d3.run();
        demo d4 = d3.d1;
        d4.run();
        demo d5 = d2.d1; d5.run(); }

    void run() {
        System.out.print("Hi" + " ");
    }
}

```

Options :

1. ✘ Hi
2. ✘ Hi HiHi
3. ✓ Hi Hi followed by exception
4. ✘ Hi Hi

What is the output of above code?





The range of the byte integer type is _____

Options :

1. ✘ -128 to -127

2. ✘ 128 to -127

3. ✘ 128 to 127

- 128 to 127

4. ✓



Which keyword is used to access the packages in JAVA?

Options :

1. ✘ export

2. ✘ extend

3. ✓ import

4. ✘ package

```

class Threadexample extends Thread {
    Threadexample() {
        System.out.print("JAVA");
    }
    public void run() { System.out.print(" OOPS"); }
    public void run(String s) { System.out.print(" EXAMINATION"); }
}
public class Threadprogram {
    public static void main (String [] args) {
        Threadexample t = new Threadexample();
        public void run() { System.out.print(" RESULT"); }
    };
    t.start();
}
}

```

Options :

1. ✘ OOPS RESULT
2. ✘ EXAMINATION RESULT
3. ✓ JAVA RESULT
4. ✘ RESULT OOPS





```
class testprogram {  
    public static void main(String args[]) {  
        String s=null;  
        System.out.println(s.length());  
    }  
}
```

What is the output of above code?

Options :

1. ✘ 4
2. ✘ 1
3. ✘ Results in Compile error
4. ✓ Results in NullPointerException



Which keyword when applied on a method indicates that only one thread should execute the method at a time?

Options :

1. ✘ volatile

2. ✘ native

3. ✓ synchronized

4. ✘ static



TS ECET-2022



Which one of the following is not a Java feature?

Options :

1. ❌ Object-oriented
2. ❌ Use of pointers
3. ❌ Portable
4. ✓ Dynamic and Extensible



What is not the use of “this” keyword in Java?

Options :

Referring to the instance variable when a local variable has the same name

1. ❌

2. ✓ Passing itself to the method of the same class

3. ❌ Passing itself to another method

4. ❌ Calling another constructor in constructor chaining



Which of the following is a type of polymorphism in Java Programming?

Options :

1. ❌ Multiple polymorphism
2. ✅ Compile time polymorphism
3. ❌ Multilevel polymorphism
4. ❌ Execution time polymorphism



What is Truncation in Java?

Options :

Floating-point value assigned to a Floating type

1. ❌

Floating-point value assigned to an integer type

2. ✓

Integer value assigned to floating type

3. ❌

Integer value assigned to Integer type

4. ❌



What will be the output of the following Java code?

```
class result
{
    public static void main(string args[])
{
    if(args.length>0)
        system.out.println(args.length);
}
}
```

Options :

1. ✓ compiles and runs but does not print anything
2. ✗ compiles, runs and prints 0
3. ✗ compiles, runs and prints 1
4. ✗ does not compile



Which one of the following is not an access modifier?

Options :

1. ✘ protected

2. ✓ void

3. ✘ public

4. ✘ private

What is the output of this Java program?

```
class A
{
    public int i;
    private int j;
}
class B extends A
{
    void display()
    {
        super.j = super.i + 1;
        system.out.println(super.i + " " + super.j);
    }
}
class inheritance
{
    public static void main(String args[])
    {
        B.obj = new B();
        obj.i=1;
        obj.j=2;
        obj.display();
    }
}
```

Options :

1. ✘ 22

2. ✘ 33

3. ✘ Compilation Error

4. ✓ Runtime Error





Which exception could be handled by the catch block for below

```
public class Test
{
    public static void main(string args[]) {
try{
        int a= integer.parseInt("four");
}
}
}
```

Options :

1. ❌ IllegalStateException
2. ✓ NumberFormatException
3. ❌ ClassCastException
4. ❌ ArrayIndexOutOfBoundsException



TS ECET 2023



What is the output of the following code?

```
int a=23;  
char b='y';  
system.out.print("b");  
system.out.print(a);
```

Options :

1. ❌ Throws exception

2. ❌ 23 y

3. ❌ y 23

4. ✓ b 23

Find the output of the following code:

```
public class Solution {  
    public static void main(String[] args){  
        byte x = 127;  
        x++;  
        x++;  
        System.out.print(x);  
    }  
}
```



1. ✗

-127

2. ✓

127

3. ✗

129

4. ✗



Which is the keyword that makes a variable belong to a class, rather than being defined for each instance of the class.

Options :

Static

1. ✓

Final

2. ✗

Abstract

3. ✗

Try

4. ✗



What is the return type of constructor of a class?

Options :

1. ✘ int

2. ✘ void

3. ✘ string

No return type

4. ✓



A throw statement _____ invokes an exception

Options :

1. ✓ Explicitly

2. ✗ Implicitly

3. ✗ Never

4. ✗ Randomly



```
class Parent {  
    final public void display() {  
        System.out.println("Parent class display() called");  
    }  
}  
  
class Child extends Parent {  
    public void display() {  
        System.out.println("Child class display() called");  
    }  
}  
  
class Main {  
    public static void main(String[] args) {  
        Child c = new Child();  
        c.display();  
    }  
}
```

Options :

1. ❌ Runtime error

2. ✓ Compiler error



Which of the following is true about interfaces in java?

Options :

An interface can contain following type of members: public, static, final fields (i.e., constants), default and static methods with bodies.

1. ✓

An instance of interface can be created.

2. ✗

A class can implement multiple interfaces.

3. ✗

Many classes can implement the same interface.

4. ✗



Predict the output of following Java program.

```
class FORLOOP {  
    public static void main(String[] args) {  
        for(int i = 0; 0; i++)  
        {  
            System.out.println("Hello");  
            break;  
        }  
    }  
}
```

Options :

1. ✘ Hello

2. ✘ 0

3. ✘ Runtime error

4. ✓ Compiler error



The concept of 'threads' in java is used for enabling the entire environment to be _____

Options :

Symmetric

1. ✘

Asymmetric

2. ✘

Asynchronous

3. ✓

Synchronous

4. ✘

Thank You