Question	Answer			
what is the size of boolean data type	1 bit			
runtime polymorphism is implemented in java using	method overriding			
which of the following is an interface in java.util package	map			
what is the parent class for integer byte and short	java.lang.number			
which of the following is immediate superclass for exception in java	Throwable			
which of the following class is synchronized	Hashtable			
which of the following is correct to pass two command line argument hi and hello to a program called Example.java	java Example Hi Hello			
which of the following is the valid import statement to import the static members of math class in java	import static java.lang.Math.*			
which of the following ways is correct to convert a byte into long object	byte b=10; Long d=(Long)b;			
which of the following class stores data as key value pairs	properties			
which of the below keyword is used to throw an exception explicitly	throw			
An object consist of 1. state 2.behaviour 3. identity	1,2,3			
garbage collection in java is done automatically and String is a Final class	both true			
if u need to store user defined objects in treeset which of the following interface should the user defined class implement	Comparable			
which of the following modifier combination is invalid for a method in java 1. static final 2. static abstract 3. abstract final	1,2,3			
an java interface can extend another java interface and a java class can implement any number of interface	both true			
which of the following statement are true about static members in java	all the statements are true			
which of the following is the extension of the java program when it is complied	.class			
variable declared in interface are by default	public,static,final			
which of the below exception is Checked exception	IO exception			
which of the below exception is an unchecked exception	Arithmetic exception			
integer object can be constructed with	int values			
which of the following statement are true about test suite in junit0	Both option			
what is the size of char data type in java	2 bytes			
which of the following keyword is used to refer the base class members in derived class	super			
Consider the following statements and choose the correct choice: A) java.lang package is automatically imported in all java classes. B) Any number of subpackages can be created under a user defined package.	Both are true			
in junit all methods should be	public			
consider the following statement and choose the correct answer. A)a java interface can extends another java interface B)a java class can implement any no of java interface	Both A and B are true			
which of the following is an ordered collections ?	Arraylist			
choose the correct option for function overloading	int show(float x) int show(int x,inty)			
choose the code suitable for line 1 so that the program compiles successfully (PROGRAMMM)	void speed() {}			
consider the following statements and choose the correct answer; A)User defined class can extend a final class. B)finally keyword is used to marj a class as final in java.	both statements A and B are false			

public abstract class sample{
public static void main(String args[]){
System.out.println("hello world");
}
}
	Hello world			

class test4{
public static void main(String[] args) {
final int x=10;
System.out.println(x++);
System.out.println("main ends");
}
}
	Compile time error in line 2 as final...			

consider the following statements and choose the correct answer. A)stringBuffer class has reverse()method. B)string class has reverse() method	only statement A is true			

| ```
//predict the coutput
class test1{
public static void main(String[] args) {
try{
int a[]=new int[3];
a[3]=40/0;

}
catch(ArrayIndexOutOfBoundsException e){
System.out.println("in catch block");
}
}
}
``` | Runtime Exception - due to java.lang.ArithmaticException / by Zero | | | |
| ```
//predict the output:
public class Test{
public static void main(String[] args) {
int age=10;
do{
age =age/2;
System.out.println(age);
}
while(age > 10);
}
}
``` | | 5 | | |
| ```
//predict the output
//if Command line Argument passed is Hello

class Ex{
public static void main(String[] args) {
System.out.println(args[3]);
}
}
``` | Java.lang.ArrayindexOutofBound | | | |
| ```
// predict the output
import java.io.*;
class Super1{
void method1()throws IOException{
throw new IOException("throwing error");

}
}
class ExceptionTest1{
public static void main(String[] args) throws IOException{
Super1 s1=new Super1();
s1.method1();
System.out.println("Success ex");
}
}
``` | runtime exception | | | |
| ```
//predict the output
public class test5{
public static void main(String[] args) {
int a=10;
int b;
b=a++;
while (false) {
System.out.println("hi");
}
}
}
``` | Error in Line 6 | | | |

Question	Answer			

public class sample1{
    static void square(int arr[]){
        for(int i=0;i<arr.length;i++){
            arr[i]=arr[i] * arr[i];
        }
    }
    public static void main(String[] args) {
        int arr[]={1,2,3,4};
        square(arr);
        for(int i:arr){
            System.out.println(i+"");
        }
    }
}
	1 4 9 16			

Which of the below statements are true.A)java is platform dependent.B)unused objects in java are destroyed using garbage collector.C)the interpreter executes the bytecode a	only 2 and 3 are true			
which of the following are true about constructor.A)a constructor's name must match the name of the class. B)constructor must not have return type.C)...D)...E)....	A B C E			

//predict the output
public class Book{
    public static void main(String[] args) {
        String gender1="female";
        String gender2="male";
        if (gender1.contentEquals(gender2)) {
            System.out.println("hi");
        }
        else if (gender1.equals("Female")) {
            System.out.println("Hello");
        }
    }
}
	Print Nothing			

identify the correct syntax for declaring user defined package	package myp;			
consider the following statement and choose the correct answer.A)all the wrapper classes in java are final classes in java.B)there are 8 wrapper classes in java.	Both A and B are true			
Which of the following statement are true about classes in java.A)there can be only one public class per source code file.B)the name of the file must match the name of the pub	A B E			

import java.util.*;
public class sample24{
public static void main(String[] args) {
List<String>Locations=new ArrayList<String>();
Locations.add("BDC");
Locations.add("CDC");
Locations.add("PCD");
Locations.add("KoDC");
Locations.forEach(System.out::println());
 	
}
}
	Compile time error			

variable declared in interface are by default	public static and final			
consider the following statement and choose the correct ans.A)string can be viewed as a group of characters.B)java.lang.string is a primitive data type	Both statements A and B are false			
which of the following is keyword in java	all of the above			
which of the following keyword is used to throw an exception explicitly	throw			
Predict the output: public class Program @Test public void test0 int a=2 int b=2: assertTrue("Mismatch".a.b); }}	Compilation entor-assertinue is not applicable for t typeString intin			

class Ex (
 	
protected Roal
 	
public class One [
 	
public static void mainCitring args[System.out.println(obj.i+ " " + obj.j);// line 1
}}
	prints 0.0 0.0			

abstract class Vehicle (
 	
2
 	
abstract void method1();
 	
3}
 	
4
 	
5 class Car extends Vehicle {
 	
6 //line 6
 	
73
 	
Which of the following two options inserted at line 6, will compile successfully?
	option 1 and 2			

public class Sample {
 public static void main(String[] args) {
 String arr[] = {"5", "15", "25");
Arrays.sort(arr);
 for(String string: arr)
{
System.out.println(string);
}}}
	5,15,25			

Predict the output of below code
 public class Check4 {
public static void main(String[] args) {
String data= new String (new char[] {A,B,C,D};)//Line 1
System.out.print(data.length0/2): // Line 2 System.out.println(data.length/2); // Line 3
	Compile time error in line3 since "length prop String objects.			

Predict the output
public class Test{
 	
public static void main(String[] args){
 	
String gender1 = "Female":
 	
String gender2 = "Male":
 	
if(gender1.contentEquals(gender2))
{
 	
System.out.println("Hi");
}
 	
else if (gender1.equals("Female"))
{
System.out.println("Hello");
}}}
	hello			

Predict the output
 	
class Book{
 	
public void display()
 	
{
System.out.println("Inside Book...");
}}
 	
class Novel extends Book
 	
{
public void display()
 	
{
System.out.println("Inside Novel...");
}}
 	
class HarryPotter extends Novel {
 	
public static void main(String args[]){
 	
HarryPotter h=new HarryPotter();
 	
h.display();
}}
	Inside Novel...			

Predict the Output:
 	
class Sample {
 	
public static void main(String args[]) {
 try {
throw new String("Hello"); //Line1
}
catch(Exception e) {
System.out.println("In catch block");
}}}
	Compilation Error at Line 1-thou can throw only a Throwab			

Predict the output of the below code:
 	
class MyMessage {
 	
final void print() { // Line1
 	
System.out.println("print1"):
 	
}
 	
public class Test6 extends MyMessage
 final void print() { // Line2 System.out.println("print2");
}
public static void main(String[] args) {
Test6 object = new Test6();
 	
object.print():
}}
	Compile time error in Line 2 as final meth			

Predict the output
 	
class Ex{
 	
public static void main() { System.out.println("main method");
}
 	
public static void main(String args[])
 { main();
 	
System.out.println("end");
}}
	main method
	end			

Predict the output:
 	
abstract class Demo
 	
abstract public void getInfo(); // Line1
public String getMessage() { // Line2
 	
return "This is a Demo message";
 	
}
 	
public class Sample {
 	
public static void main(String[] args) {
 	
Demo d=new Demo(); //Line3
}}
	Compile time error in Line 3
	
	class			

Choose the code suitable for Line1 so that the program compiles successfully
 	
abstract class Fan
{
abstract void speed();
}
class AirCooler extends Fan
{
//Line 1-insert your code here
}
	void speed(){}			

Predict the Output:
 	
class Base1
 	
public Base 1() {
 	
System.out.println("Base Constructor");
}
}
 	
class Derived extends Base1
 	
public Derived(int val) {
 	
System.out.println("Derived:" +val);
 	
public abstract class Sample {
 	
public static void main(String[] args) {
 	
Derived d = new Derived(100):
 	
System.out.println("App terminated");
}}
	Base Constructor
	
	Derived: 100
	
	App Terminated			

Predict the output:
 	
class Ex
 	
private static int foo(){
 	
static int i=2 // line 1
 	
return-c
 	
public static void main(String[] args) {
Ex x= new Ex();
 	
System.out.println(x.foo());
}}
	Compilation error in line 1 illigle modifire			

Predict the output of below code:
 	
 interface Virus{}
 	
interface Corona extends Virus{} // Line1
 	
interface Covid19 implements Corona{} // Line2
 	
public class Test9{
 	
public static void main(String[] args) {
 	
 Virus v1 = new Corona(); // Line3
 	
Virus v2 = null;
 	
System.out.println("main ends");
	Compile time error in Line 2 as one interface cannot implement another interface			

class check2{
public static void main(String[] args) {
String arg[]={"44"};
int answer=0;
for (String x:arg) {
answer += Integer.parseInt(x);
 	
}
System.out.println(answer/2);
 	
}
}
// ans 22
	22			

class Ex{
int i;
public static void main(String[] args) {
System.out.println(i);
}
}
	Compile time error static content			

Predict the output:

```
class Ex{
int a;

static void Ex(int a) { // line 1
 this.a=a; // line 2
System.out.println(a);
}

public static void main(String[] args) {
 Ex(20);
}}
```

compilation error in Line 2. cannot use this in a static context

Predict the output:

```
 public class Sample {

static void square(int arr[]) {

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

arr[i] = arr[i]* arr[i];

}

}

public static void main(String[] args) {

int arr[] {1, 2, 3, 4};

square(arr);

for (int i: arr) {

System.out.print(i+" ");

}

}

}
```

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Code	Output
| ```java
public class samplec{
static{
System.out.println("A");
}
public static void main(String[] args) {
System.out.println("B");
}
static{
System.out.println("C");
}
}
``` | ACB |
| ```java
public class a{
public void method(int x){
System.out.println("x"+x);
}
protected void method(int x, int y){
System.out.println("x"+x+"y"+y);
}
void method(String name){
System.out.println(""+name);
}
public static void main(String[] args) {
a obj=new a();
obj.method("Rishi");
}}
``` | Rishe |
| ```java
public class check3{
public static void main(String[] args) {
String data = new String(new char[] {'A','A','A'});
int i=0;
for (char c:data.toCharArray())
{
i+=c;

}
System.out.println(i);
}
}
``` | 195 |
| ```java
class Animal {}

public class Dog extends Animal (

String moved

String move() {

return "walk";

public static void main(String[] args) {
 Animal a a- new Dog(); System.out.println(a.move());

 }
```
Which of the following code needs to be added to Animal class, so that the program compiles successfully and prints "walk" as output? | string() { return "";} |