Started on	Started on Thursday, 31 October 2024, 3:59 AM
State	State Finished
Completed on	Completed on Thursday, 31 October 2024, 4:28 AM
Time taken	ime taken 29 mins 50 secs
Marks	Marks 29.50/30.00
Grade	Grade 9.83 out of 10.00 (98%)

```
class Program {
   public static void main (String[] args){
        Test obj = new Test2();
   obj.f();
                                                                                                                       Study the following Java code:
                                                                                                                                                  public final class Test {
  void f() {
    System.out.print(1);
                                                                                                                                                                                                                                                  class Test2 extends Test {
  void f() {
                                                                                                                                                                                                                                                                                          System.out.print(2);
                                                     Mark 1.00 out of 1.00
Question 1
                            Complete
```

○ c. None of the others

. d

a. Compile-time error

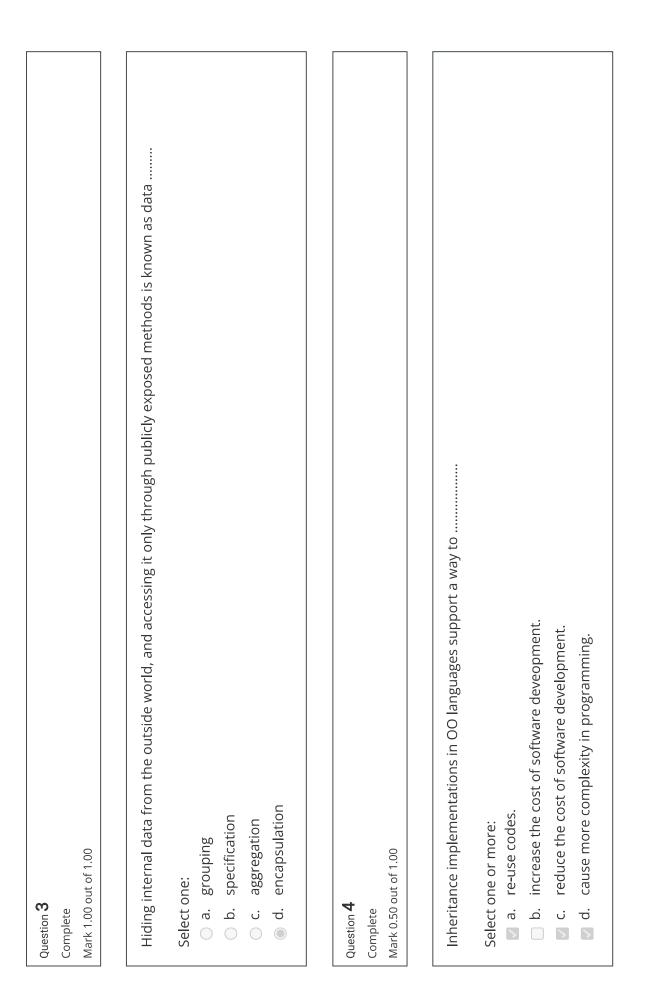
0 b. 2

Select one:

What is it's result?

```
Mark 1.00 out of 1.00
Question 2
                  Complete
```

```
public class Test {
    int x= 5;
    int y=2;
    public static void main (String[] args){
        Test obj;
        obj.x=10;
        obj.y=20;
        System.out.println(obj.x + obj.y);
                                                                                                                                                                                                                                                                                                                                                                    od. None of the others
Study the following code:
                                                                                                                                                                                                                What is output?
                                                                                                                                                                                                                                                                                 🌘 a. Error
                                                                                                                                                                                                                                                         Select one:
                                                                                                                                                                                                                                                                                                             ob. 30
```



Question 5
Complete
Mark 1.00 out of 1.00
Common behavior can be defined in a superclass and inherited into a subclass using thekeyword.
A collection of methods with no implementation is called an
ממבר סובי
O a. implements, abstract class
○ b. extends, abstract class
○ c. None of the others
○ d. is, interface
e. extends, interface

```
Mark 1.00 out of 1.00
Question 6
                    Complete
```

```
Both overriding and overloading method techniques are used.
                                                                                                                                                                                                                                                                                                                                                                                                                                Overloading method technique is used.
                                                                                                                                                                                                                                                                                                                                                                   b. Overriding method technique is used.
                                                                                                                                                                                                                                                                                                                                                                                                oc. The abstraction feature is used.
Study the following declarations:
                                                                                                                                                  class B extends A {
  int y=6;
  public void M(){
    System.out.print(x +y );
                                                                                                                                                                                                                                                                                                                                     a. None of the others.
                           class A {
   int x=5;
   void MA() { }
   void MA(int x) { }
   void M() { }
                                                                                                                                                                                                                                                                                                             Select one:
                                                                                                                                                                                                                                                                                                                                                                                                                               .
d
```

```
Mark 1.00 out of 1.00
Question 7
                   Complete
```

```
class C extends B {
  int z=2;
  public void M() {    System.out.print(x +y+z ); }
                                                                                         class B extends A {
  int y=6;
  public void M() { System.out.print(x +y ); }
                                                          void M() { System.out.print(x);}
                                                                                                                                                                                                                                                                                                                                                a. A compile-time error.
                                                                                                                                                                                                                                                                                                                                                                            ○ b. None of the others.
Stydy the following code:
                                                                                                                                                                                                                                                                                                                                                                                                                               The output is 13
                                                                                                                                                                                                                                                                                                                                                                                                     c. The output is 5
                                                                                                                                                                                                                                           Code for using classes:
                                                                                                                                                                                                                                                                      A obj= new C();
obj.M();
                                                                                                                                                                                                                                                                                                                               Select one:
                         class A { int x=5;
                                                                                                                                                                                                                                                                                                                                                                                                                            d.
```

```
Mark 1.00 out of 1.00
Question 8
                   Complete
```

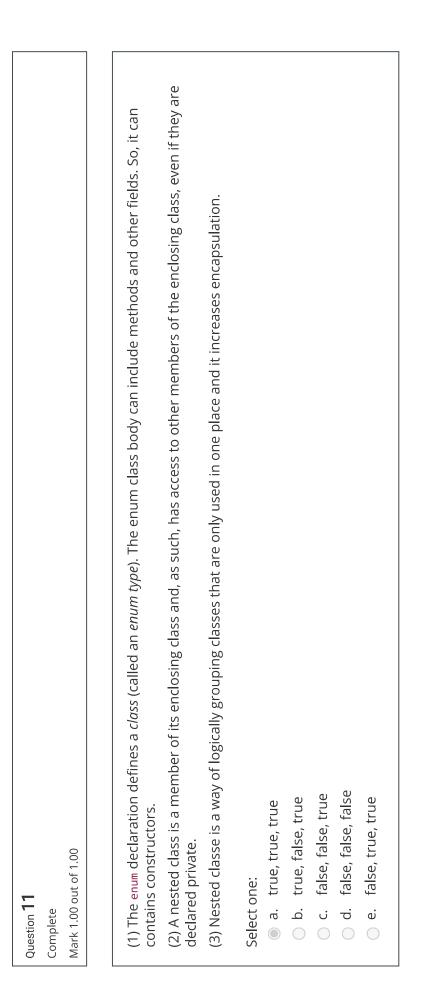
```
public void M() { System.out.print(x ); }
                                                                                        class B extends A {
  int y=6;
  public void M() { System.out.print(x ); }
                       class A {
  int x=5;
  void M() { System.out.print(x);}
                                                                                                                                                                                                                                                                                                                                                                                                      oc. A compile-time error.
                                                                                                                                                                                                                                                                                                                                                                        ○ b. None of the others.
Study the following code:
                                                                                                                                                                                                                                                                                                                                              ○ a. The output is 2
                                                                                                                                                                                                                                                                                                                                                                                                                                 ○ d. The output is 5
                                                                                                                                                                                                                                        Code for using classes:
                                                                                                                                                                                                                                                                  A obj= new C();
obj.M();
                                                                                                                                                                                                                                                                                                                          Select one:
                                                                                                                                                                                 int x=2;
                                                                                                                                                             class C {
```

Question 9	
Complete	
Mark 1.00 out of 1.00	

Study the following code:
public interface MyInterface {
<pre>void M1(double x);</pre>
<pre>void M2(int aValue) { System.out.println("Hi Mom " + aValue); }</pre>
Select one:
🔘 a. This code will be compiled to the MyInterface.class file
○ b. None of the others.
o c. This code will be compiled successfully.
◎ d. This code causes an error when it is compiled.

```
Mark 1.00 out of 1.00
Question 10
                   Complete
```

```
abstract void M1() { System.out.print("M1"); }
                                                                                                                       void M10 { System.out.print("M1"); }
                                                                                                                                                      \textbf{void M20} \ \{ \ System.out.print("M2") \ ; \ \}
                                                                                                                                                                                                                                                                                 void M2() { System.out.print("M2"); }
Select correct declarations:
                             (1) interface MyInterface {
                                                                                         (2) abstract class A {
                                                                                                                                                                                                                                                                                                                                                                    Select one or more:
                                                                                                                                                                                                                   (3) class B {
                                                                                                                                                                                                                                                                                                                                                                                               а·
П
                                                                                                                                                                                                                                                                                                                                                                                                                             .
⊳
                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
.
```



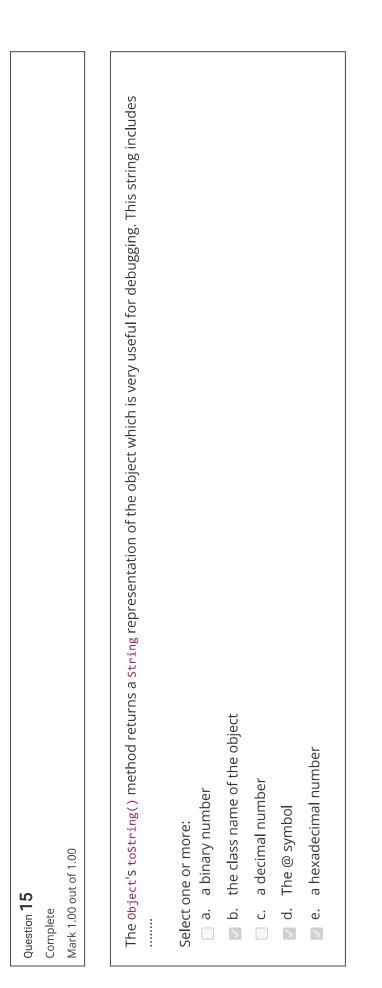
```
Mark 1.00 out of 1.00
Question 12
                    Complete
```

```
o a. This code is invalid because the method aMethod does not access parameter.
                                                                                                                                                                                                                                                          This code is invalid because the method aMethod must be prototype only.
                                 public interface I1 {
    void aMethod(int aValue){
        System.out.println("Hi Mom");
                                                                                                                                                                                                                                                                                                                                              None of the others
Study the following code:
                                                                                                                                                                                                                                                                                                   This code is valid.
                                                                                                                                                                                     Select one:
                                                                                                                                                                                                                                                          b.
                                                                                                                                                                                                                                                                                                                                          о
О
                                                                                                                                                                                                                                                                                                       .
.
```

```
The code (a) is ____, and (b) is _
                                                                                                                                                                                                                                                                 a. invalid, valid
                                                                                                                                                                                                                                                                                    Ob. valid, invalid
                                                                                                              public interface I1 {
                                                                                                                                                                  public interface I2 {
                                                                             Study declarations:
                                                                                                                                                                                                                                                                                                         c. valid, valid
                                   Mark 1.00 out of 1.00
                                                                                                                                                                                                                                                   Select one:
                                                                                                                                                                                     void m();
Question 13
                  Complete
                                                                                                (a)
                                                                                                                                                  (q)
```

O d. invalid, invalid

Question 14	
Complete	
Mark 1.00 out of 1.00	
The ultimate ancestor of all Java classes is the class.	
Select one:	
○ a. SuperClass	
○ b. Ancestor	
○ c. None of the others.	
O d. Starter	
○ e. Class	



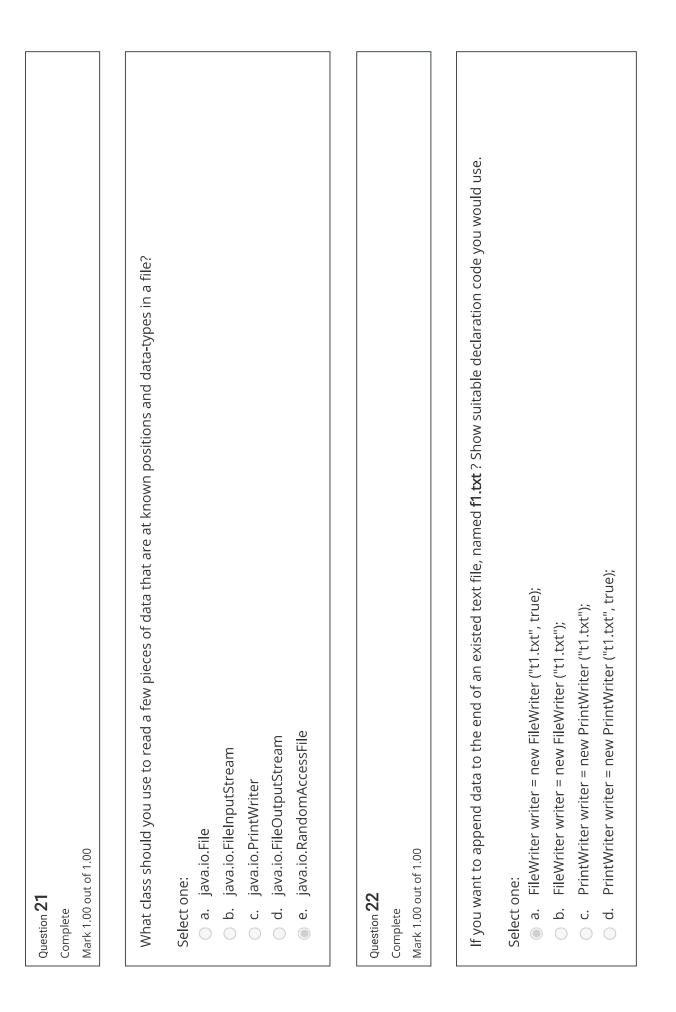
Question 16 Complete Mark 1.00 out of 1.00
The java.lang.String class represents for astring of characters. The java.lang.StringBuilder class represents for astring of characters.
Select one: a. immutable, dynamic modifiable b. modifiable, immutable
c. immutable, fixedd. mutable, modifiable
Question 17 Complete Mark 1.00 out of 1.00
A wrapper class encapsulates a single value. Wraper classes support methods for
Select one: a. immutable, output data b. mutable, type conversion c. immutable, type conversion d. modifiable, input data

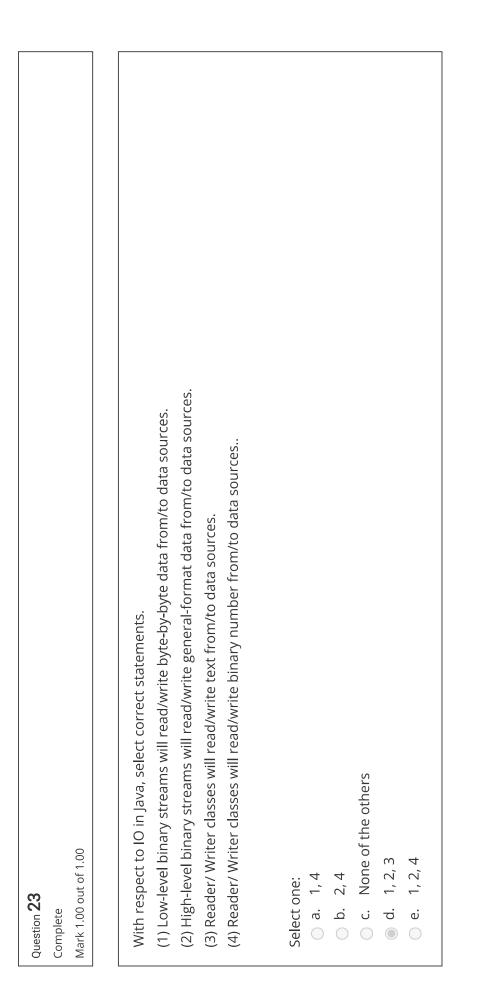
Question 18
Complete
Mark 1.00 out of 1.00
The java.util package contains
Select one or more:
a. the Thread class.
☑ b. common used classes such as Date, Calendar, Formatter, Timer
☑ c. API interfaces and classes of Java Collection framework.
☐ d. the Math class.

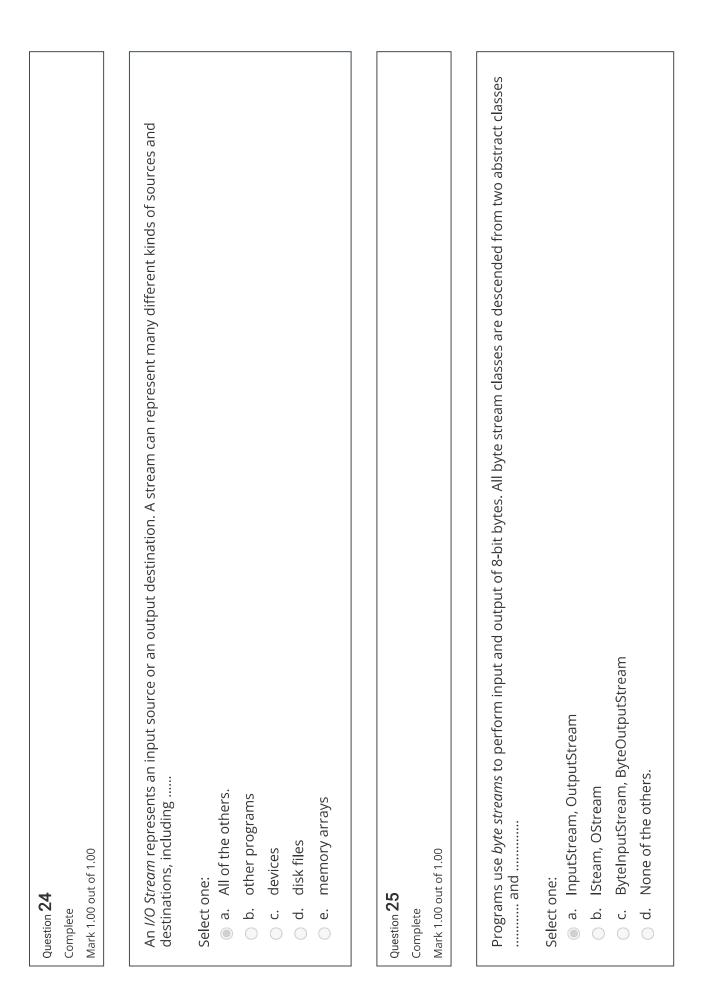
```
Mark 1.00 out of 1.00
Question 19
                     Complete
```

```
public static void main(String args[]) {
    SortedSet<StringBuffer> s = new TreeSet<StringBuffer>();
    s.add(new StringBuffer("Red"));
    s.add(new StringBuffer("White"));
    s.add(new StringBuffer("Blue"));
    System.out.println(s.first());
What is the output of the following Java code:
                                // Suppose that all basic API were imported
                                                                                                                                                                                                                                                                                                        a. An exception is thrown.
                                                                                                                                                                                                                                                                                                                                         None of the others.
                                                                                                                                                                                                                                                                                                                                                                                                                                         White
                                                                                                                                                                                                                                                                                                                                                                        Blue
                                                                                                                                                                                                                                                                                                                                                                                                          Red
                                                                                                                                                                                                                                                                              Select one:
                                                                                                                                                                                                                                                                                                                                        .
o
                                                                                                                                                                                                                                                                                                                                                                                                                                           j.
                                                                                                                                                                                                                                                                                                                                                                            .;
()
                                                                       :
```

With respect to the java.io package, With respect to the java.io package, Theclass makes it easier to write platform-independent code that examines and manipulates files. Theclass makes it easier to write platform-independent code that examines and manipulates directories. Select one: a. File, File b. File, File c. File, Directory d. File, Folder
the java.io package, akes it easier to write platform-inc akes it easier to write platform-inc sectory
It to the java.io package, ss makes it easier to write platform-inc ss makes it easier to write platform-inc , File , Pirectory
t to the java.io package, ss makes it easier to write platform-inc ss makes it easier to write platform-inc , File , Pirectory
ss makes it easier to write platform-incs makes it easier to write platform-inc, File, Piles, Directory
ss makes it easier to write platform-inc , File , Directory
Select one: a. File, File b. File, Files c. File, Directory d. File, Folder
Select one: a. File, File b. File, Files c. File, Directory d. File, Folder
 a. File, File b. File, Files c. File, Directory d. File, Folder
b. File, Filesc. File, Directoryd. File, Folder
O c. File, Directory O d. File, Folder
d. File. Folder
○ e. File, Dir







Question 26
Complete
Mark 1.00 out of 1.00
All character stream classes are descended from two abstract class, and
Select one:
b. ReadCharacter, WriteCharacter
© c. Reader, Writer
○ d. None of the others.
Question 27
Complete
Mark 1.00 out of 1.00
is a line-oriented I/O class.
Select one or more:
□ a. LineReader
☑ b. PrintWriter
☑ c. BufferedReader
d. LineWriter

Question 28
Complete
Mark 1.00 out of 1.00
Classes and interface must be used for working with object streams:
Select one or more:
a. FileReader
☑ b. java.io.ObjectOutputStream
🗷 c. java.io.Serializable
d. java.io.ObjectInputStream
e. FileWriter
Question 29
Complete
Mark 1.00 out of 1.00
streams mainly support binary I/O of primitive data type values.
Select one:
⊚ a. Data
○ b. Character
○ c. Object
Od. Binary

Question 30	
Complete	
Mark 1.00 out of 1.00	
A .class file contains	
Select one:	
○ a. Machine codes	
b. Java bytecodes.	
○ c. CPU codes.	
od. Assembly codes	
>	^