Multiple Choice Question & Answers:-

- 1) Which of these package contains classes and interfaces for networking?
- a) java.io
- b) java.util
- c) java.net
- d) java.network

Answer: c

- 2) Which of these is a protocol for breaking and sending packets to an address across a network?
- a) TCIP/IP
- b) DNS
- c) Socket
- d) Proxy Server

Answer: a

Explanation: TCP/IP – Transfer control protocol/Intern et Protocol is used to break data into small packets an send them to an address across a network.

- 3) How many ports of TCP/IP are reserved for specific protocols?
- a) 10
- b) 1024
- c) 2048
- d) 512

Answer: b

- 4) How many bits are in a single IP address?
- a) 8
- b) 16
- c) 32
- d) 64

Answer: c

- 5) Which of these is a full form of DNS?
- a) Data Network Service
- b) Data Name Service
- c) Domain Network Service
- d) Domian Name Service

Answer: d

- 6) Which of these class is used to encapsulate IP addre ss and DNS?
- a) DatagramPacket
- b) URL
- c) InetAddress
- d) ContentHandler

Answer: c

Explanation: InetAddress class encapsulate both IP ad dress and DNS, we can interact with this class by using name of an IP host.

- 7) Which of these clause will be executed even if no ex ceptions are found?
- a) throws
- b) finally
- c) throw
- d) catch

Answer: b

Explanation: finally keyword is used to define a set of instructions that will be executed irrespective of the exception found or not.

- 8) A single try block must be followed by which of thes e?
- a) finally
- b) catch
- c) finally & catch
- d) None of the mentioned

Answer: c

Explanation: try block can be followed by any of finally or catch block, try block checks for exceptions and work is performed by finally and catch block as per the exception.

- 9) Which of these packages contain all the Java's built in exceptions?
- a) java.io
- b) java.util
- c) java.lang
- d) java.net

Answer: c

- 10) Which of these exceptions handles the divide by z ero error?
- a) ArithmeticException
- b) MathException
- c) IllegalAccessException
- d) IllegarException

Answer: a

- 11) Which of these exceptions will occur if we try to ac cess the index of an array beyond its length?
- a) ArithmeticException
- b) ArrayException

- c) ArrayIndexException
- d) ArrayIndexOutOfBoundsException

Answer: d

Explanation: ArrayIndexOutOfBoundsException is a built in exception that is caused when we try to access an index location which is beyond the length of an array.

- 12) Which of these standard collection classes implements a linked list data structure?
- a) AbstractList
- b) LinkedList
- c) HashSet
- d) AbstractSet

Answer: b

- 13) Which of these classes implements Set interface?
- a) ArrayList
- b) HashSet
- c) LinkedList
- d) DynamicList

Answer: b

Explanation: HashSet and TreeSet implements Set inte rface where as LinkedList and ArrayList implements List interface.

- 14) Which of these method is used to add an element to the start of a LinkedList object?
- a) add()
- b) first()
- c) AddFirst()
- d) addFirst()

Answer: d

- 15) Which of these method of HashSet class is used to add elements to its object?
- a) add()
- b) Add()
- c) addFirst()
- d) insert()

Answer: a

- 16) Which of these methods can be used to delete the last element in a LinkedList object?
- a) remove()
- b) delete()
- c) removeLast()
- d) deleteLast()

Answer: c

Explanation: removeLast() and removeFirst() methods are used to remove elements in end and beginning of a linked list.

- 17) Which of these method is used to change an elem ent in a LinkedList Object?
- a) change()
- b) set()
- c) redo()
- d) add()

Answer: c

Explanation: An element in a LinkedList object can be changed by first using get() to obtain the index or location of that object and the passing that location to method set() along with its new value.

- 18) Which of these method of DatagramPacket class is used to find the destination address?
- a) findAddress()
- b) getAddress()
- c) Address()
- d) whois()

Answer: b

- 19) Which of these is a return type of getAddress met hod of DatagramPacket class?
- a) DatagramPacket
- b) DatagramSocket
- c) InetAddress
- d) ServerSocket

Answer: c

- 20) Which of these is a bundle of information passed between machines?
- a) Mime
- b) cache
- c) Datagrams
- d) DatagramSocket

Answer: c

Explanation: The Datagrams are the bundle of information passed between machines.21) Which of these class is necessary to implement datagrams?

- a) DatagramPacket
- b) DatagramSocket
- c) All of the mentioned
- d) None of the mentioned

Answer: c

- 22) Which of these method of DatagramPacket is used to find the port number?
- a) port()
- b) getPort()
- c) findPort()
- d) recievePort()

Answer: a

- 23) Which of these method of DatagramPacket is used to obtain the byte array of data contained in a datagram?
- a) getData()
- b) getBytes()
- c) getArray()
- d) recieveBytes()

Answer: a

- 24) Which of these method of DatagramPacket is used to find the length of byte array?
- a) getnumber()
- b) length()
- c) Length()
- d) getLength()

Answer: d

Explanation: getLength returns the length of the valid data contained in the byte array that would be returned from the getData () method. This typically is not equal to length of whole byte array.

- 25) Which of these class must be used to send a datat gram packets over a connection?
- a) InetAdress
- b) DatagramPacket
- c) DatagramSocket
- d) All of the mentioned

Answer: d

Explanation: By using 5 classes we can send and receiv e data between client and server, these are InetAddress, Socket, ServerSocket, DatagramSocket, a nd DatagramPacket.

- 26) Which of these method is used to start a server th read?
- a) run()
- b) start()
- c) runThread()
- d) startThread()

Answer: a

Explanation: run() method is caleed when the server t hread is started.

- 27) Which of these method is called when http daemo n is acting like a normal web server?
- a) Handle()
- b) HandleGet()
- c) handleGet()
- d) Handleget()

Answer: c

- 28) Which of these methods of httpd class is used to r ead data from the stream?
- a) getDta()
- b) GetResponse()
- c) getStream()
- d) getRawRequest()

Answer: d

Explanation: The getRawRequest() method reads data from a stream until it gets two consecutive newline characters.

- 29) Which of these method of httpd class is used to ge t report on each hit to HTTP server?
- a) log()
- b) logEntry()
- c) logHttpd()
- d) logResponse()

Answer: b

- 30) Which of these method is used to find a URL from the cache of httpd?
- a) findfromCache()
- b) findFromCache()
- c) serveFromCache()
- d) getFromCache()

Answer: c

Explanation: serveFromCatche() is a boolean method t hat attempts to find a particular URL in the cache. If it is successful then the content of that cache entry are written to the client, otherwise it returns false.

- 31) Which of these variables stores the number of hits that are successfully served out of cache?
- a) hits
- b) hitstocache

- c) hits to cache
- d) hits.to.cache

Answer: d

- 32) Which of these class is used for operating on request from the client to the server?
- a) http
- b) httpDecoder
- c) httpConnectiond) httpd

Answer: d

- 33) Which of these method of httpd class is used to w rite UrlCacheEntry object into local disk?
- a) writeDiskCache()
- b) writetoDisk()
- c) writeCache()
- d) writeDiskEntry()

Answer: a

Explanation: The writeDiskCache() method takes an U rlCacheEntry object and writes it persistently into the local disk. It constructs directory names out of URL , making sure to replace the slash(/) characters with system dependent seperatorChar.

- 34) Which of these is an instance variable of class http d?
- a) port
- b) cache
- c) log
- d) All of the mentioned

Answer: d

Explanation: There are 5 instance variables: port, doc Root, log, cache and stopFlag. All of them are private.

- 35) Which of these is an instance variable of httpd that is a Hashtable?
- a) port
- b) cache
- c) log
- d) stopFlag

Answer: c

Explanation: cache is the Hashtable where all of the fil es are cached in RAM and is initialized when the object is created.

- 36) What does URL stands for?
- a) Uniform Resource Locator
- b) Uniform Resource Latch

- c) Universal Resource Locator
- d) Universal Resource Latch

Answer: a

Explanation: URL is Uniform Resource Locator.

- 37) Which of these exception is thrown by URL class's constructors?
- a) URLNotFound
- b) URLSourceNotFound
- c) MalformedURLException
- d) URLNotFoundException

Answer: c

- 38) Which of these methods is used to know host of a n URL?
- a) host()
- b) getHost()
- c) GetHost()
- d) gethost()

Answer: b

- 39) Which of these methods is used to know the full U RL of an URL object?
- a) fullHost()
- b) getHost()
- c) ExternalForm()
- d) toExternalForm()

Answer: d

- 40) Which of these class is used to access actual bits o r content information of a URL?
- a) URL
- b) URLDecoder
- c) URLConnection
- d) All of the mentioned

Answer: d

Explanation: URL, URLDecoder and URLConnection all there are used to access information stored in a URL.

- 41) Which of these class is used to encapsulate IP add ress and DNS?
- a) DatagramPacket
- b) URL
- c) InetAddress
- d) ContentHandler

Answer: c

Explanation: InetAddress class encapsulate both IP ad dress and DNS, we can interact with this class by using name of an IP host.

- 42) Which of these is wrapper around everything asso ciated with a reply from an http server?
- a) HTTP
- b) HttpResponse
- c) Httpserver
- d) httpserver

Answer: a

Explanation: HttpResponse is wrapper around everything associated with a reply from an http server.

- 43) Which of these tranfer protocol must be used so t hat URL can be accessed by URLConnection class object?
- a) http
- b) https
- c) Any Protocol can be used
- d) None of the mentioned

Answer: a

Explanation: for a URL to be accessed from remote loc ation http protocol must be used.

- 44) Which of these methods is used to know when was the URL last modified?
- a) LastModified()
- b) getLastModified()
- c) GetLastModified()
- d) getlastModified()()

Answer: b

- 45) Which of these methods is used to know the type of content used in the URL?
- a) ContentType()
- b) contentType()
- c) getContentType()
- d) GetContentType()

Answer: c

- 46) Which of these class is used to access actual bits or content information of a URL?
- a) URL
- b) URLDecoder
- c) URLConnection
- d) All of the mentioned

Answer: d

Explanation: URL, URLDecoder and URLConnection all there are used to access information stored in a URL.

- 47) Which of these data member of HttpResponse class is used to store the response from a http server?
- a) status
- b) address
- c) statusResponse
- d) statusCode

Answer: d

Explanation: When we send a request to a http server it respond with a status code this status code is stored in statusCode and a textual equivalent which is stored in reasonPhrase.

- 48) Which of these interface abstractes the output of messages from httpd?
- a) LogMessage
- b) LogResponse
- c) Httpdserver
- d) httpdResponse

Answer: a

Explanation: LogMessage is a simple interface that is u sed to abstract the output of messages from the httpd.

- 49) Which of these class is used to create servers that listen for either local or remote client programs?
- a) httpServer
- b) ServerSockets
- c) MimeHeader
- d) HttpResponse

Answer: b

- 50) Which of these is a standard for communicating multimedia content over email?
- a) http
- b) https
- c) Mime
- d) httpd

Answer: c

Explanation: MIME is an internet standard for commu nicating multimedia content over email. The HTTP protocol uses and extends the notion of MIME header s to pass attribute pairs between HTTP client and server.

```
51) Which of these methods is used to make raw MIM
                                                           55) What is the output of this program?
E formatted string?
                                                           import java.net.*;
a) parse()
                                                           class networking {
b) toString()
                                                           public static void main(String[] args) throws Unknown
                                                           HostException {
c) getString()
                                                           InetAddress obj1 = InetAddress.getByName("cisco.co
d) parseString()
Answer: a
52) Which of these class is used for operating on requ
                                                           InetAddress obi2 =
                                                           InetAddress.getByName("sanfoundary.com");
est from the client to the server?
                                                                    boolean x = obj1.equals(obj2);
a) http
                                                                    System.out.print(x);
b) httpDecoder
c) httpConnection
                                                                  }
                                                             }
d) httpd
                                                           a) 0
Answer: d
                                                           b) 1
                                                           c) true
53) Which of these method of MimeHeader is used to
                                                           d) false
return the string equivalent of the values stores
                                                           Answer: d
on MimeHeader?
                                                           Explanation: InetAddress obj1 = InetAddress.getByNa
a) string()
                                                           me("cisco.com"); creates object obj1 having DNS
b) toString()
                                                           and IP address of cisco.com, InetAddress obj2 = InetA
c) convertString()
                                                           ddress.getByName("sanfoundry.com"); creates
d) getString()
                                                           obj2 having DNS and IP address of sanfoundry.com, si
Answer:b
                                                           nce both these address point to two different
Explanation: toString() does the reverse of parse() met
                                                           locations false is returned by obj1.equals(obj2);.
hod, it is used to return the string equivalent of
                                                           Output:
the values stores on MimeHeader.
                                                           $ javac networking.java
                                                           $ java networking
54) What is the output of this program?
1. import java.net.*;
                                                           true
class networking {
public static void main(String[] args) throws Unknown
                                                           56) What is the output of this program?
HostException {
                                                            import java.io.*;
                                                           class streams {
InetAddress obj1 = InetAddress.getByName("sanfoun")
                                                           public static void main(String[] args) {
dary.com");
InetAddress obj2 = InetAddress.getByName("sanfoun
                                                           try {
                                                           FileOutputStream fos = new FileOutputStream("serial"
dary.com");
boolean x = obj1.equals(obj2);
System.out.print(x);
                                                           ObjectOutputStream oos = new ObjectOutputStream(
      } }
                                                           fos);
a) 0
                                                           oos.writeFloat(3.5);
                                                           oos.flush();
b) 1
                                                           oos.close();
c) true
d) false
                                                           }
                                                           catch(Exception e) {
Answer: c
                                                           System.out.println("Serialization" + e);
Output:
$ javac networking.java
                                                           System.exit(0);
$ java networking
                                                          }
true
                                                           try {
```

```
FileInputStream fis = new FileInputStream("serial");
                                                            import java.net.*;
ObjectInputStream ois = new ObjectInputStream(fis)oi
                                                            class networking {
s.close();
                                                            public static void main(String[] args) throws Malforme
System.out.println(ois.available());
                                                            dURLException {
                                                            URL obj = new URL("http://www.sanfoundry.com/java
catch (Exception e) {
                                                            mcq");
System.out.print("deserialization");
                                                            System.out.print(obj.getProtocol());
System.exit(0);
                                                            }
}
                                                           }
}
                                                            a) http
}
                                                            b) https
a) 1
                                                            c) www
b) 2
                                                            d) com
c) 3
d) 4
                                                            Answer: a
                                                            Explanation: obj.getProtocol() is used to know the pro
Answer: d
                                                            tocol used by the host. http stands for hyper text
Explanation: New input stream is linked to streal 'seria
                                                            transfer protocol, usually 2 types of protocols are used
ls', an object 'ois' of ObjectInputStream is used to
                                                            http and https, where s in https stands for
access this newly created stream, ois.close(); closes th
                                                            secured.
e stream hence we can't access the stream and
                                                            Output:
ois.available() returns 0.
                                                            $ javac networking.java
Output:
                                                            $ java networking
$ javac streams.java
                                                            http
$ java streams
                                                            59) What is the output of this program?
0
                                                            import java.net.*;
57) What is the output of this program?
                                                            class networking {
import java.net.*;
                                                            public static void main(String[] args) throws Malforme
class networking {
                                                            dURLException {
public static void main(String[] args) throws Unknown
                                                            URL obj = new URL("http://www.sanfoundry.com/java
HostException {
                                                            mcq");
InetAddress obj1 = InetAddress.getByName("cisco.co
                                                            System.out.print(obj.getPort());
System.out.print(obj1.getHostName());
                                                              }
}
                                                            a) 1
}
a) cisco
                                                            b) 0
                                                            c) -1
b) cisco.com
                                                            d) garbage value
c) www.cisco.com
d) None of the mentioned
                                                            Answer: c
Answer: b
                                                            Explanation: Since we have not explicitly set the port
Output:
                                                            default value that is -1 is printed.
$ javac networking.java
                                                            Output:
$ java networking
                                                            $ javac networking.java
cisco.com
                                                            $ java networking
                                                            -1
58) What is the output of this program?
```

```
60) What is the output of this program?
                                                          URLConnection obj1 = obj.openConnection();
import java.net.*;
                                                          System.out.print(obj1.getContentType());
class networking {
public static void main(String[] args) throws Malforme
                                                          }
dURLException {
URL obj = new URL("http://www.sanfoundry.com/java
                                                          Note: Host URL is written in html and simple text.
mcq");
                                                          b) text
System.out.print(obj.getHost());
                                                          c) html/text
                                                          d) text/html
}
a) sanfoundry
                                                          Answer: d
b) sanfoundry.com
                                                          Output:
c) www.sanfoundry.com
                                                          $ javac networking.java
d) http://www.sanfoundry.com/javamcq
                                                          $ java networking
Answer: c
                                                          text/html
Output:
$ javac networking.java
                                                          63) What is the output of this program?
$ java networking
                                                          import java.net.*;
www.sanfoundry.com
                                                          class networking {
                                                          public static void main(String[] args) throws Exception
61) What is the output of this program?
import java.net.*;
                                                          URL obj = new URL("http://www.sanfoundry.com/java
class networking {
                                                          mcq");
public static void main(String[] args) throws Malforme
dURLException {
                                                          URLConnection obj1 = obj.openConnection();
URL obj = new URL("http://www.sanfoundry.com/java
                                                          int len = obj1.getContentLength();
mcq");
                                                          System.out.print(len);
                                                          }
System.out.print(obj.toExternalForm());
                                                         }
                                                          Note: Host URL is having length of content 127.
  }
                                                          a) 126
a) sanfoundry
                                                          b) 127
b) sanfoundry.com
                                                          c) Compilation Error
) www.sanfoundry.com
d) http://www.sanfoundry.com/javamcq
                                                          d) Runtime Error
                                                          Answer: b
Answer: d
                                                          Output:
Explanation: toExternalForm() is used to know the full
                                                          $ javac networking.java
URL of an URL object.
                                                          $ java networking
Output:
                                                          127
$ javac networking.java
$ java networking
                                                          64) What is the output of this program?
http://www.sanfoundry.com/javamcq
                                                          import java.net.*;
                                                          class networking {
62) What is the output of this program?
                                                          public static void main(String[] args) throws Exception
import java.net.*;
class networking {
                                                          URL obj = new
public static void main(String[] args) throws Exception
                                                          URL("http://www.sanfoundry.com/javamcq");
                                                          URLConnection obj1 = obj.openConnection();
URL obj = new URL("http://www.sanfoundry.com/java
```

mcq");

```
System.out.print(obj1.getLastModified);
                                                          a) html
}
                                                          b) text
}
                                                          c) html/text
Note: Host URL was last modified on july 18 tuesday 2
                                                          d) text/html
                                                          Answer: d
a) july
                                                          Output:
b) 18-6-2013
                                                          $ javac networking.java
c) Tue 18 Jun 2013
                                                          $ java networking
d) Tue Jun 18 2013
                                                          text/html
Answer: d
Output:
                                                          68) What is the output of this program?
                                                          import java.net.*;
$ javac networking.java
                                                          class networking {
$ java networking
Tue Jun 18 2013
                                                          public static void main(String[] args) throws Exception
65) What is the output of this program?
                                                          URL obj = new URL("http://www.sanfoundry.com/java
import java.net.*;
                                                          mcq");
class networking {
                                                          URLConnection obj1 = obj.openConnection();
public static void main(String[] args) throws Malforme
                                                          int len = obj1.getContentLength();
dURLException {
                                                          System.out.print(len);
URL obj = new URL("http://www.sanfoundry.com/java
                                                          }
                                                          }
System.out.print(obj.toExternalForm());
                                                          Note: Host URL is having length of content 127.
}
                                                          a) 126
}
                                                          b) 127
a) sanfoundry
                                                          c) Compilation Error
b) sanfoundry.com
                                                          d) Runtime Error
c) www.sanfoundry.com
                                                          Answer: b
d) http://www.sanfoundry.com/javamcq
                                                          Output:
Answer: d
                                                          $ javac networking.java
Explanation: toExternalForm() is used to know the full
                                                          $ java networking
URL of an URL object.
                                                          127
Output:
$ javac networking.java
                                                          69) What is the output of this program?
$ java networking
                                                          import java.net.*;
                                                          class networking {
http://www.sanfoundry.com/javamcq
                                                          public static void main(String[] args) throws Unknown
66) What is the output of this program?
                                                          HostException {
import java.net.*;
                                                          InetAddress obj1 = InetAddress.getByName("cisco.co
class networking {
                                                          m");
public static void main(String[] args) throws Exception
                                                          System.out.print(obj1.getHostName());
                                                          }
URL obj = new URL("http://www.sanfoundry.com/java
                                                          }
mcq");
                                                          a) cisco
URLConnection obj1 = obj.openConnection();
                                                          b) cisco.com
System.out.print(obj1.getContentType());
                                                          c) www.cisco.com
                                                          d) None of the mentioned
}
}
                                                          Answer: b
```

Note: Host URL is written in html and simple text.

```
Output:
                                                              [B, C]
$ javac networking.java
                                                              74) What is the output of this program?
$ java networking
                                                              import java.util.*;
                                                              class Output {
cisco.com
                                                              public static void main(String args[]) {
72) What is the output of this program?
                                                              HashSet obj = new HashSet();
import java.util.*;
                                                              obj.add("A");
class Linkedlist {
                                                              obj.add("B");
public static void main(String args[]) {
                                                              obj.add("C");
                                                              System.out.println(obj + " " + obj.size());
LinkedList obj = new LinkedList();
obj.add("A");
                                                              }
obj.add("B");
                                                              }
obj.add("C");
                                                              a) ABC 3
obj.addFirst("D");
                                                              b) [A, B, C] 3
System.out.println(obj);
                                                              c) ABC 2
     }
                                                              d) [A, B, C] 2
                                                              Answer: b
a) [A, B, C]
                                                              Explanation: HashSet obj creates an hash object which
b) [D, B, C]
                                                               implements Set interface, obj.size() gives the
c) [A, B, C, D]
                                                              number of elements stored in the object obj which in
                                                              this case is 3.
d) [D, A, B, C]
Answer: d
                                                              Output:
Explanation: obj.addFirst("D") method is used to add '
                                                              $ javac Output.java
D' to the start of a LinkedList object obj.
                                                              $ java Output
Output:
                                                               [A, B, C] 3
$ javac Linkedlist.java
$ java Linkedlist
                                                              75) What is the output of this program?
[D, A, B, C]
                                                              import java.util.*;
                                                              class Output {
73) What is the output of this program?
                                                              public static void main(String args[]) {
import java.util.*;
                                                              TreeSet t = new TreeSet();
class Linkedlist {
                                                              t.add("3");
public static void main(String args[]) {
                                                              t.add("9");
LinkedList obj = new LinkedList();
                                                              t.add("1");
obj.add("A");
                                                              t.add("4");
obi.add("B");
                                                              t.add("8");
obj.add("C");
                                                              System.out.println(t);
obj.removeFirst();
                                                              }
System.out.println(obj);
}
                                                              a) [1, 3, 5, 8, 9]
}
                                                              b) [3, 4, 1, 8, 9]
a) [A, B]
                                                              c) [9, 8, 4, 3, 1]
b) [B, C]
                                                              d) [1, 3, 4, 8, 9]
c) [A, B, C, D]
                                                              Answer: d
d) [A, B, C]
                                                              Explanation: TreeSet class uses set to store the values
Answer: b
                                                              added by function add in ascending order using
Output:
                                                              tree for storage
$ javac Linkedlist.java
                                                              Output:
$ java Linkedlist
                                                              $ javac Output.java
```

```
$ java Output
                                                             Output:
[1, 3, 4, 8, 9]
                                                             $ javac exception handling.java
                                                             $ java exception handling
                                                             Exception in thread "main" java.lang.NullPointerExcep
76) What is the output of this program?
class exception_handling {
                                                             tion: Hello
public static void main(String args[]) {
try {
                                                             78) What is the output of this program?
                                                             class exception handling {
int a = args.length;
                                                             static void throwexception() throws ArithmeticExcepti
int b = 10 / a;
System.out.print(a);
                                                             on {
                                                             System.out.print("0");
catch (ArithmeticException e) {
                                                             throw new ArithmeticException ("Exception");
System.out.println("1");
}
                                                             public static void main(String args[]) {
                                                             try {
}
                                                             throwexception();
a) 0
                                                             }
                                                             catch (ArithmeticException e) {
b) 1
c) Compilation Error
                                                             System.out.println("A");
d) Runtime Error
Note: Execution command line: $ java exception han
                                                            }
                                                             }
dling
Answer: b
                                                             a) A
Output:
                                                             b) 0
                                                             c) 0A
$ javac exception_handling.java
$ java exception handling
                                                             d) Exception
                                                             Answer: c
1
                                                             Output:
77) What is the output of this program?
                                                             $ javac exception handling.java
class exception handling {
                                                             $ java exception_handling
public static void main(String args[]) {
try {
                                                             0A
throw new NullPointerException ("Hello");
System.out.print("A");
                                                             79) What is the output of this program?
                                                             class exception handling
catch(ArithmeticException e) {
                                                             public static void main(String args[])
System.out.print("B");
}
                                                             try
                                                             int a = 1;
a) A
                                                             int b = 10 / a;
b) B
                                                             try
c) Compilation Error
                                                             {
d) Runtime Error
                                                             if (a == 1)
Answer: d
Explanation: try block is throwing NullPointerException
                                                             a = a / a - a;
but the catch block is used to counter
                                                             if (a == 2)
Arithmetic Exception. Hence NullPointerException
                                                             {
occurs since no catch is there which can handle it,
                                                             int c[] = \{1\};
runtime error occurs.
```

```
c[8] = 9;
}
finally
System.out.print("A");
catch (Exception e)
System.out.println("B");
}
}
a) A
b) B
c) AB
d) BA
Answer:a
Explanation: The inner try block does not have a catch
which can tackle
ArrayIndexOutOfBoundException hence finally is exec
uted which prints 'A' the outer try block does have
catch for ArrayIndexOutOfBoundException exception
but no such exception occurs in it hence its catch
is never executed and only 'A' is printed.
Output:
$ javac exception handling.java
$ java exception_handling
80) What is the output of this program?
class exception_handling {
public static void main(String args[]) {
try {
int a = args.length;
int b = 10 / a;
System.out.print(a);
try {
if (a == 1)
a = a / a - a;
if (a == 2) {
int c = \{1\};
c[8] = 9;
}
}
catch (ArrayIndexOutOfBoundException e) {
```

```
System.out.println("TypeA");
}
catch (ArithmeticException e) {
System.out.println("TypeB");
}
}
a) TypeA
b) TypeB
c) Compilation Error
d) Runtime Error
Note: Execution command line: $ java exception_hand
ling one two
Answer: c
Explanation: try without catch or finally
Output:
$ javac exception_handling.java
$ java exception_handling
Main.java:9: error: 'try' without 'catch', 'finally' or res
ource declarations
```