**EXCEPTION HANDLING**

1. What is exception ?
2. Why we handle the exception ?
3. What is error ?
4. What is Compile time (Checked) exception ?
5. What is Runtime (Unchecked) exception ?
6. What is Fully checked exception ?
7. What is the use case of throw keyword ?
8. What is the use case of throws keyword ?
9. What is the use case of finally block ?
10. What is try with resorce ?
11. What is exception prapogation ?
12. Difference between exception and error ?
13. Difference between checked and unchecked exception ?
14. Difference between throw and throws keyword ?
15. Difference between parsally checked and fullychecked exception ?
16. Difference between final keyword finally block and finalize method ?
17. Difference between e.printStackTrace and System.out.println(e) ?
18. Any 5 compile time exception ?
19. Any 5 runtime exception ?
20. Parent of exception class ?
21. Can we create Checked exception ?
22. Can we create Unchecked exception ?
23. How to create checked and unchecked exception ?
24. At what time exception occure ?
25. Which type of code I write inside the try block ?
26. Can I write multiple catch blocks in respect of one try block?
27. Can I write multiple finally block in respect of one try block ?
28. Can I write multiple exception class in one catch block ?
29. Can I write try block without catch or finally ?
30. Can I write catch block without try or finally ?
31. Can I write finally block without try of catch ?
32. Can I give same exception class in one catch block ?
33. Can I change the sequence of try catch and finally block ?
34. Can I propogate multiple exception class ?
35. Can I throw the object ?
36. Can I throw the throable ?
37. Can I throw the exception ?
38. Can I throw the error ?
39. Can I catch the object ?
40. Can I catch the throable ?
41. Can I catch the exception ?
42. Can I catch the error ?
43. Can I throw the same exception class ?
44. Can I throw the exception at the time of method overriding ?
45. Can I change the exception at the time of method overriding ?
46. Can I throw the checked and unchecked exception ?
47. In which case finally block will not execute ?
48. At what time I use throw keyword ?
49. At what time I use throws keyword ?
50. Which type of exception I throw ?
51. Which type of exception is occure at runtime ?
52. Which type of exception is occure at compiletime ?
53. At what time java compiler throw the classCastException ?
54. At what time java compiler throw the nullPointerException ?
55. At what time java compiler throw the entruptedExceptin ?
56. At what time catch block execute ?
57. What is the advantage of exception handling ?
58. Type of error ?
59. Without try catch block can I catch the exception ?
60. How many type of exception are there ?
61. Who is responsible to check the exception ?
62. How to create customize exception ?

**1) What is wrong with the following code? Why it is showing compilation error?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              System.out.println("Try Block");          }            System.out.println("-----");            catch (Exception e)          {              System.out.println("Catch Block");          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse1)

There should not be any other statements in between try and catch blocks.

**2) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          int i = 1;            try          {              i++;          }          catch (Exception e)          {              i++;          }          finally          {              i++;          }            System.out.println(i);      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse2)

3

**3) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              System.out.println(1);                int i = 100 / 0;                System.out.println(2);          }          catch (Exception e)          {              System.out.println(3);          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse3)

1  
3

**4) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              System.out.println(1);          }          catch (Exception e)          {              System.out.println(2);          }            System.out.println(3);            finally          {              System.out.println(4);          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse4)

Compile time error. try, catch and finally blocks together form one unit. There should not be any other statements in between try-catch-finally blocks.

**5) Catch block takes one argument of type java.lang.Object. True OR False?**

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse5)

False. Catch block takes one argument of type java.lang.Throwable.

**6) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          System.out.println(1);            try          {              System.out.println(2);                int i = Integer.parseInt("ABC");                System.out.println(3);          }          catch (Exception e)          {              System.out.println(4);          }            finally          {              System.out.println(5);          }            System.out.println(6);      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse6)

1  
2  
4  
5  
6

**7) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              System.out.println(1);                int i = Integer.parseInt("ABC");                System.out.println(2);          }          catch (NumberFormatException e)          {              System.out.println(3);          }          catch (Exception e)          {              System.out.println(4);          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse7)

1  
3

**8) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              int[] a = {1, 2, 3, 4};                int i = a[4];          }          catch (NumberFormatException e)          {              System.out.println(1);          }          catch (NullPointerException e)          {              System.out.println(2);          }          catch (ArrayIndexOutOfBoundsException e)          {              System.out.println(3);          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse8)

3

**9) What will be the outcome of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              String s = null;                int i = s.length();          }          catch (Exception e)          {              System.out.println(1);          }          catch (NullPointerException e)          {              System.out.println(2);          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse9)

Compile Time Error : Unreachable catch block for NullPointerException. It is already handled by the catch block for Exception.

**10) Pipe (|) operator is introduced in Java 7 to catch the multiple exceptions using single catch block. Yes OR No?**

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse10)

Yes

**11) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          String[] s = {"abc", "123", null, "xyz"};            for (int i = 0; i < 6; i++)          {              try              {                  int a = s[i].length() + Integer.parseInt(s[i]);              }              catch (NumberFormatException e)              {                  System.out.println(1);              }              catch (NullPointerException e)              {                  System.out.println(2);              }              catch (ArrayIndexOutOfBoundsException e)              {                  System.out.println(3);              }          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse11)

1  
2  
1  
3  
3

**12) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              try              {                  try                  {                      String s = args[1];                  }                  catch (NullPointerException e)                  {                      System.out.println(1);                  }              }              catch (ArrayIndexOutOfBoundsException e)              {                  System.out.println(2);              }          }          catch (Exception e)          {              System.out.println(3);          }        }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse12)

2

**13) Does the following code compile without errors?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              System.out.println("try Block");          }          finally          {              System.out.println("finally Block");          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse13)

Yes

**14) Does the following code compile without errors?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              System.out.println("try Block");          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse14)

No. There should be either catch block or finally block along with try block.

**15) What is wrong with the following code? Why it is showing compilation error?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              System.out.println(1);          }          catch (Exception | NumberFormatException | NullPointerException e)          {              System.out.println(2);          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse15)

NumberFormatException and NullPointerException are already caught by the alternative Exception.

**16) java.lang.Throwable is the super class for all type of errors and exceptions in Java. True OR False?**

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse16)

True

**17) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              main(args);          }          catch (NumberFormatException | NullPointerException e)          {              System.out.println(1);          }          catch (Exception | Error e)          {              System.out.println(2);          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse17)

2

**18) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23 | public class JavaExceptionHandlingQuiz  {      static int anyMethod()      {          try          {              return 10;          }          catch (Exception e)          {              return 20;          }          finally          {              return 30;          }      }        public static void main(String[] args)      {          System.out.println(anyMethod());      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse18)

30

**19) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27 | public class JavaExceptionHandlingQuiz  {      static int anyMethod()      {          int i = 1;            try          {              i = i/0;                return ++i;          }          catch (Exception e)          {              return ++i;          }          finally          {              return ++i;          }      }        public static void main(String[] args)      {          System.out.println(anyMethod());      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse19)

3

**20) In the following program, finally block is executed or not?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23 | public class JavaExceptionHandlingQuiz  {      static void anyMethod()      {          try          {              return;          }          catch (Exception e)          {              return;          }          finally          {              System.out.println("finally Block");          }      }        public static void main(String[] args)      {          anyMethod();      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse20)

Yes, finally block is executed even though try and catch blocks are returning the control.

**21) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31 | public class JavaExceptionHandlingQuiz  {      static String anyMethod()      {          String s = "ZERO";            try          {              s = s + "ONE";                return s;          }          catch (Exception e)          {              s = s + "TWO";                return s;          }          finally          {              s = s + "THREE";                return s;          }      }        public static void main(String[] args)      {          System.out.println(anyMethod());      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse21)

ZEROONETHREE

**22) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29 | public class JavaExceptionHandlingQuiz  {      static String anyMethod()      {          String s = "ONE";            try          {              s = s + "TWO";                return s;          }          catch (Exception e)          {              s = s + "THREE";                return s;          }          finally          {              s = s + "FOUR";          }      }        public static void main(String[] args)      {          System.out.println(anyMethod());      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse22)

ONETWO

**23) Does the following code compile without errors?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25 | public class JavaExceptionHandlingQuiz  {      static void anyMethod()      {          try          {              System.out.println("Try Block");          }          catch (Exception e)          {              System.out.println("Catch Block");          }          finally          {              return;          }            System.out.println("Any Statements");      }        public static void main(String[] args)      {          anyMethod();      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse23)

No. It shows Unreachable code error at line 18.

**24) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29 | public class JavaExceptionHandlingQuiz  {      static int anyMethod()      {          int i = 1;            try          {              i = i + 1;                return i;          }          catch (Exception e)          {              i = i + 2;          }          finally          {              i = i + 3;          }            return i;      }        public static void main(String[] args)      {          System.out.println(anyMethod());      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse24)

2

**25) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33 | public class JavaExceptionHandlingQuiz  {      static int anyMethod()      {          int i = 1;            try          {              i = i / 0;                return i;          }          catch (Exception e)          {              i = i + 1;                return i;          }          finally          {              i = i + 2;                System.out.println(i);          }          }        public static void main(String[] args)      {          System.out.println(anyMethod());      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse25)

4  
2

**26) What will be the outcome of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29 | public class JavaExceptionHandlingQuiz  {      static int anyMethod()      {          int i = 1;            try          {              i = i + 1;                return i;          }          catch (Exception e)          {              i = i + 2;          }          finally          {              i = i + 3;          }            System.out.println(i);      }        public static void main(String[] args)      {          System.out.println(anyMethod());      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse26)

Compile Time Error : anyMethod() must return a value.

**27) Checked exceptions are checked at compile time. True OR False?**

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse27)

True

**28) What are the two sub classes of java.lang.Throwable?**

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse28)

java.lang.Error and java.lang.Exception

**29) What will be the outcome of the following code?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              throw new NullPointerException("My\_Exception");          }          catch (Exception ex)          {              throw ex;          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse29)

NullPointerException will be thrown at run time.  
Exception in thread “main” java.lang.NullPointerException: My\_Exception

**30) What will be the output of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          try          {              try              {                  NumberFormatException ex = new NumberFormatException();                    throw ex;              }              catch (NullPointerException ex)              {                  System.out.println(1);              }          }          catch (Exception ex)          {              System.out.println(2);          }          catch (Throwable ex)          {              System.out.println(3);          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse30)

2

**31) What will be the outcome of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args) throws Exception      {          try          {              try              {                  try                  {                      throw new Exception();                  }                  catch (Exception ex)                  {                      throw ex;                  }              }              catch (Exception ex)              {                  throw ex;              }          }          catch (Exception ex)          {              throw ex;          }      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse31)

Exception in thread “main” java.lang.Exception

**32) StackOverflowError occurs only at run time. Yes OR No?**

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse32)

Yes

**33) Does the following code compile without errors?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16 | class SuperClass  {      void anyMethod()      {          System.out.println("Super Class Method");      }  }    class SubClass extends SuperClass  {      @Override      void anyMethod() throws IOException      {          System.out.println("Sub Class Method");      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse33)

No. It shows compilation error that Exception IOException is not compatible with throws clause in SuperClass.anyMethod().

**34) Does the following code compile successfully?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16 | class SuperClass  {      void anyMethod() throws NullPointerException      {          System.out.println("Super Class Method");      }  }    class SubClass extends SuperClass  {      @Override      void anyMethod() throws ArrayIndexOutOfBoundsException, NumberFormatException, ClassCastException      {          System.out.println("Sub Class Method");      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse34)

Yes.

**35) Does the following code compile without errors?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16 | class SuperClass  {      void anyMethod() throws IOException      {          System.out.println("Super Class Method");      }  }    class SubClass extends SuperClass  {      @Override      void anyMethod() throws Exception      {          System.out.println("Sub CLass Method");      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse35)

No. It shows compilation error that Exception Exception is not compatible with throws clause in SuperClass.anyMethod()

**36) Does the following code compile successfully?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16 | class SuperClass  {      void anyMethod() throws IOException      {          System.out.println("Super Class Method");      }  }    class SubClass extends SuperClass  {      @Override      void anyMethod() throws FileNotFoundException      {          System.out.println("Sub CLass Method");      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse36)

Yes.

**37) Does the following code compile successfully?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16 | class SuperClass  {      void anyMethod() throws ClassNotFoundException      {          System.out.println("Super Class Method");      }  }    class SubClass extends SuperClass  {      @Override      void anyMethod() throws FileNotFoundException      {          System.out.println("Sub CLass Method");      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse37)

No. It shows compilation error that Exception FileNotFoundException is not compatible with throws clause in SuperClass.anyMethod()

**38) InterruptedException is a checked exception. Yes OR No?**

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse38)

Yes.

**39) Does the following code compile successfully?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          Class.forName("AnyClassName");      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse39)

No. It shows compilation error that Unhandled exception type ClassNotFoundException.

**40) Unchecked exceptions are also called run time exceptions. True OR False?**

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse40)

True

**41) OutOfMemoryError – is it an exception or an error?**

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse41)

OutOfMemoryError is an error.

**42) What will be the outcome of the following program?**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8 | public class JavaExceptionHandlingQuiz  {      public static void main(String[] args)      {          FileInputStream fis = new FileInputStream("My\_File");          fis.close();      }  } |

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse42)

Compile Time Error : Unhandled exception type FileNotFoundException

**43) NullPointerException is a checked exception. True OR False?**

[**View Answer**](https://javaconceptoftheday.com/java-exception-handling-quiz/#collapse43)

False