Resources

Official documentation

- JLS8

Coaching

- Vikram Shastry

Books

- Effective Java
- Java Concurrency in Practice

Video Courses

- Uttara
- Udacity
- Treehouse

Written Courses

- Java Revisited
- Infrequently answered questions

Interviews

- 133 interview questions
- Awesome Interview questions
- Interview Bit

Variables

Variables are placeholder in memory.

Exceptions

Exceptions are abnormal conditions at runtime.

Why do exceptions occur?

1. Bad code
2. Error due to environment
3. JVM error

Types of Exceptions

There are two types of exceptions

1. Runtime exceptions
2. Checked exceptions

Compilation failures

This page lists out all the possible compilation failures that can occur in a Java program.

1. When a local variable is not initialized before it is used.

FAQs

1. How to debug Class Cast exception?

Generic Programming problems

These are some of the **basic langauge independent** problems.

These should be tried for **every programming language** learnt.

1. **Write hello world.**
2. **Reverse a string with and without using any library functions**
3. **Find out sum of all elements of an array**
4. **Guess the number game**
5. **Generate fibonacci series upto *N***
6. **Return *Nth* fibonacci number.**
7. **Find out `max` and `min` of an *Array***

CS fundamentals

1. **What is the difference between intrepreter and compiler?**

2. **What is query string?**

3. **What is a webserver?**