

# 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 language 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 interpreter and compiler?
2. What is query string?
3. What is a webserver?