Strongly typed languages.

A strongly-typed language is one in which variables are bound to specific data types, and will result in type errors if types do not match up as expected in the expression — regardless of when type checking occurs. Python is strong-typed, and so is Java.

**examples:**

Python,Java

Smalltalk, C++, Ruby, and Self.

loosely typed language

In programming we call a language loosely typed when you don't have to explicitly specify types of variables and objects.

**examples:**

PHP,Java Script,PERL

**Run time Stack overflow**

A stack overflow is a runtime error that happens when a program runs out of memory in the call stack. The stack overflow generally signals a problem in resource provisioning and has to be fixed in order to allow the program to run and use memory properly.

**Solution**

1. The simplest solution is to carefully inspect the **stack** trace and detect the repeating pattern of line numbers. ...
2. Once you have verified that the recursion is implemented correctly, you can increase the **stack's** size in order to allow a larger number of invocations.