Tutorial
Name-Type

Make sure that there is the following declaration in your StaticCheck:
case class FunctionType(input:List[Type],output:Type) extends Type

Question 1.
Write method typeCheck(lhs:Type,rhs:Type):Boolean that check if the types of the left right hand sides of a implicit or explicit assignment comform the type rule of an assignment?

Question 2.
Write method visitCallExpr to apply the above method typeCheck to check the type of an invocation?

Question 3.
Write method binaryTypeCheck(exp:BinayryOp):Unit that check if the types of the left and right operands of a binary expression conform the type rule of binary operators?

Question 4.
Write method visitBinaryOp to apply the above methods typeCheck and binaryTypeCheck to check the type of a binary expression?