4.14 What is difference between pre incrementing and post incrementing?

Pre incrementing (++n) and Post increment (n++) is what order the variables are evaluated in a expression.

4.15 Identify and correct the errors in each the following pieces of code.

a) if ( age >= 65 );

Systen.out.println ( “Age is greater than or equal to 65”);

else

Systen.out.println ( “Age is less than 65) “ ;

No need semicolon because it is not the end of statement.

Second double quote must be inside of the closing parenthesis.

b) int x = 1, total;

While ( x <= 10)

{

total += x;

++x;

}

Variable total should be initialized to zero

c) While ( x <= 100)

total += x;

++x;

The W in while should be in lowercase. And statements should be enclosed in curly braces.

d) while ( y > 0)

{

System.out.println (y);

++y;

++operator should change to -- and closing curly brace for while loop

Build a calculator by unconditionally add / subtract / multiply / divide two number.

**public** **class** MathCal {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

System.*out*.println ("Perfomr Caculation: Add,Subtract, Multiply, Division");

// Integer

**int** a = 70;

**int** b = 150;

**int** c = 4;

**int** d = 10;

**int** e = 10;

**int** r = a + b -c \* d /e;

// Calculate numbers

System.*out*.println ("Result = " +r);

}

}

