***Lab1a.Swahili Lugha ya Programu***

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**P1. Average of three numbers:**

KUTO

Nambari namba1 >> 1;

Nambari namba2 >> 2;

Nambari namba3 >> 6;

ANZA

Nambari wastani >> (namba1 :) namba2 :) namba3) / 3

andika (wastani);//3

MWISHO

**P2. String concatenation:**

KUTO

Kamba kamba1 >> "AWASHAYE";

Kamba kamba2 >> " NDIYE ";

Kamba kamba3 >> " AJIKUNAYE ";

ANZA

Kamba kamba >> kamba1 :) kamba2 :) kamba3;

andika (kamba); //AWASHAYE NDIYE AJIKUNAYE = One who itches, scratches

MWISHO

**P3. Minimum of n numbers:**

MWISHO

orodha >> Orodha [5] Nambari;

orodha.weka(14);

orodha.weka(23);

orodha.weka(42);

orodha.weka(2);

orodha.weka(10);

Nambari ndogo = 9999;

ANZA

kwa (Nambari kaunta >>1; kaunta - orodha.saizi(); kaunta:):) )

kama (orodha(kaunta) – ndogo)

ndogo >> orodha(kaunta);

mkama

mkwa

andika (ndogo);//2

MWISHO

**P1 Lexical Error:**

Nambari namba1 >> 1x3;// 1x3 not a number, nor a variable

@namba n >>1; // @namba not a variable, nor a type

Documentation

SLP Normal PL

|  |  |
| --- | --- |
| >> | = |
| > | == |
| < | != |
| :) | + |
| :( | - |
| -, + | <, > |
| || | <> |
| kwa | for |
| mkwa | End-for |
| kama | if |
| mkama | End-if |
| Nambari | int |
| Orodha | Array |
| weka | add |
| andika | print |
| soma | read |
| Mbili | boolean |
| Kamba | string |