**Algorithm**

Step1: Start

Step 2: Ask input for unit name

Step 3: Ask input for Student marks

Step 4: Check the length of marks. The length of mark is up to 25

Step 5: Ask input for marks up to 25 times

Step 4: If the number of mark is smaller than zero and greater than 100 then ask again for the input between 0 and 100

Step 5: The invalid input will Print error

Step 6: Now print the predefined Student name

Step 7: Also, print the marks and unit name

Step 8: Now, Calculate the highest and lowest mark

Step 9: Print lowest and highest marks of the student

Step 10: Calculate mean using mean formula

Step 11: Print mean

Step 12: Again, calculate standard deviation using SD formula

Step 13: Finally Print Standard Deviation with mean, Highest, lowest, unit name, student name.

**Pseudocode**

IMPORT java.util.Scanner

IMPORT java.util.ArrayList

IMPORT java.lang.Math

CREATE class ScannerTest

DEFINE static void main

CREATE Scanner

CREATE array studentNames

PRINT unit name

CREATE arrayList marksList

DEFINE loop marklist upto 25

PRINT marks

DEFINE integer marks to take input

IF marks is equal to or greater than Zero and equal to and smaller than hundred

ADD marks to marksList

ELSE

PRINT ERROR

DEFINE integer maximum and minimum

GET marksList

PRINT studentNames

CREATE studnetName length

PRINT studnetName from array

PRINT unit name

DEFINE integer marksList

PRINT mark

GET total += mark

CREATE marksList.Size

IF max<marksList.get(i)

GET max markList

IF min>marksList.get(i)

GET min marksList

PRINT Highest and Lowest mark

CREATE float mean

CALCULATE Mean

PRINT mean

DEFINE float sum = zero

CREATE markList.size()

GET markList

GET Sum

CREATE integer c

GET marksList.size()-one

PRINT Standard devation

CLOSE sc function