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	Assignment -12
	Title: ALP program to find i) Mean ii) Variance and III) Standard Deviation.
	and 1111) Standard Deviation.
	manager all intestint That is
	Problem:
*	Write 80387 ALP boloblain i) Mean in Variance
	for the data set. The data elements are
	for the data set? The data elements are
	available in tentitle.
	Objectives. (1) 12 (a) 12 gan 16 - 3
	To be able to solve mathematical problem
	To be able to handle file and data set from
	to be able to handle file and data set from
~	The in har the state of the sta
	file in ACP To be able to include mathematical histogram using ALP,
	apoli of the state
	Outcomes: (brisingo on de ma ada 16)
J	students model to politicent in headling and
(3)	solving mathematical problems Through
	students will be efficient in handling and solving mathematical problems through file using ALP
	SIW and MIN required:
	lining 64 bit OS, gedit, NASM, gdb.
	Contorago Lantago Milli
- 0.00	2 classister de la
*	A Decordo of Land Control of the con

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	Theory:
	Instructions in 80387:
30 N 6122	variational brokento ille bus
1)	FINIT :- Intialize the coprocessor
	· (4) 1 5 7
m (2)	
accenta	FLD not loads othe stack with in
(L + W	interestack Code= Motor all of
۵)	FADD: - floating point addition
	eg FADD st (o), st(1).
aut len	Instance town sold it the rest
(4	FSTP sum: - Top of stack stoned to
, - to	
	FST summer Top lot stack stored to variable
5	FST summer Top of stack stored to variable
-7	300111
6)	FADD (with no operand)
bun .	Add top and mont location and store to
	nont location which and next location is
	top of stack. The size it:
7	FLDZ: Load zero To stack Coli him will
· dille	Com today on the Ma inimit
	Mathematical operations:
	Mean fz attitctdte
1122	Variance $q=(a-f)^2+(b-f)^2+(c-f)^2+(e-f)^2$
	5

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	Standard = n= Va
1	deviation (S.D)
	Ala anthum
	Algorithm:
N N	Create a tolder which contains I mroaron tile
	Create a folder which contains I program file and I text file.
a)	Write all input text in the text file. Define all parameters required to encute above
3)	Define all parameters required to encute above
1 .	procedure is 1st Program file.
(U)	a) Accet to how
	b) how to ASCIT
	c) Find mean
3	d) Find variance.
	e) Find standard Vouriation
3)	
6	ferform ASCIT to here.
7	Print her mean value.
<u>a</u>	Use mean value to calculate vaniance.
101	Point The variance.
	Calculate standard deviation.
12)	

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	Test Cares:
1)	Input Expected Actual Result
	1,2,3 Mean=2 Pan
	Variance=0.66 Variance=0.66
1 66-	S.D=0.8/6 SD-0.816
(8	6,78,9,10 Mean = 8 Mean = 8 Pan
	Variance=2 Variance=2
	Variance=2 1 Variance=2 50 = 1.44
	- alter to de solt in that they we the stock in
English .	Conclusion: boneword automoral de miles.
	pour to calculate mean, variance and dandard
17 3	how to calculate mean variance and daidard
	deviation using coprocersor intractions
	11 22 A W MAN (1)
	Mount por 1
_	Dunitar Swit (t
	in large habants but is
	a tropy I mad - the data sex
	in the first in the second in
	. As Dec. of the last
	which show it allow in the
	the house have been been as a second