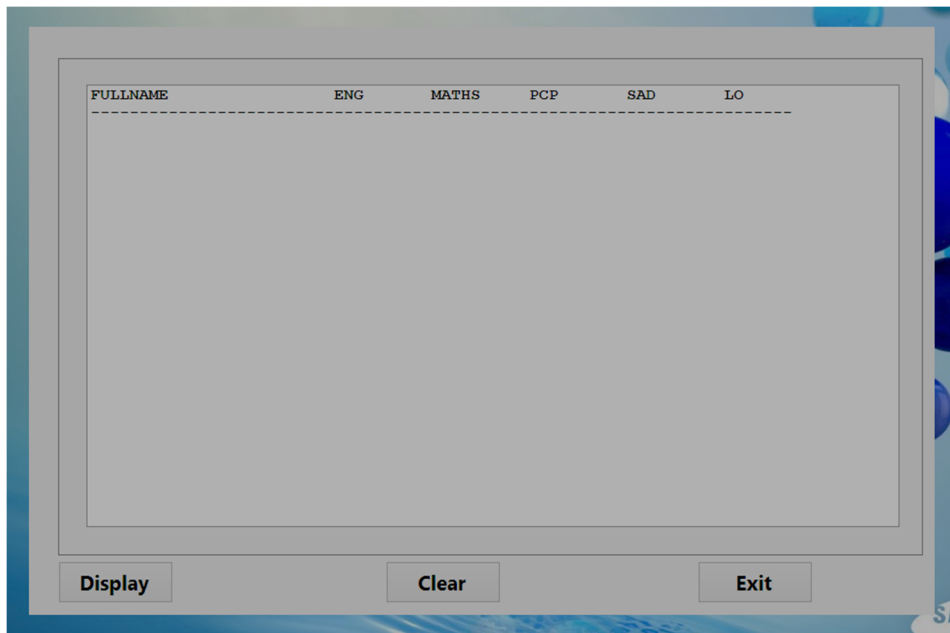


Program Specification:

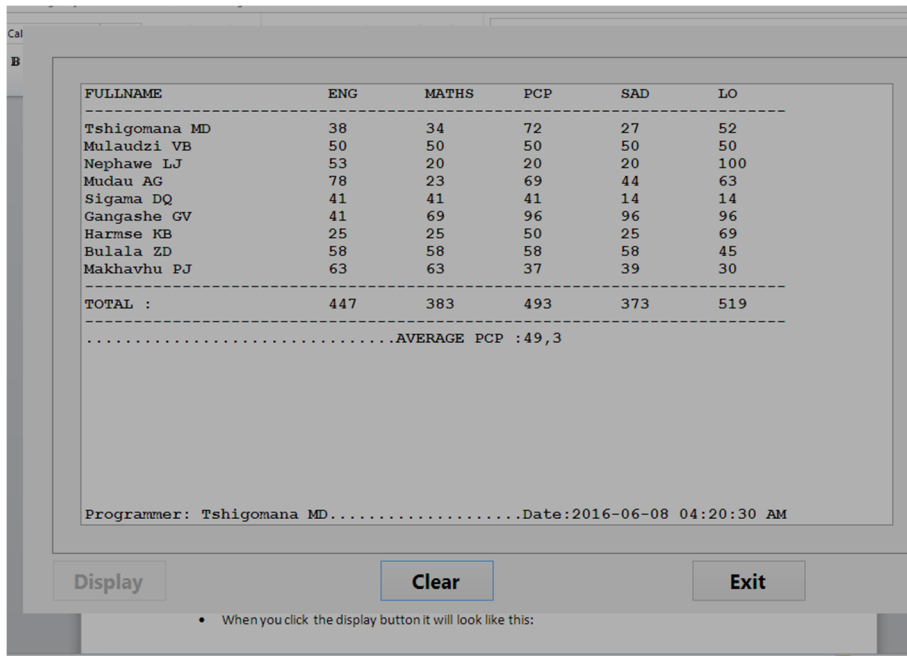
You are requested to write a program for a college to store the Names of student, English Marks, Maths, PCP, SAD and LO.

The following are the instructions on how the program should run.

- When you load the program for the first time it will look like this:

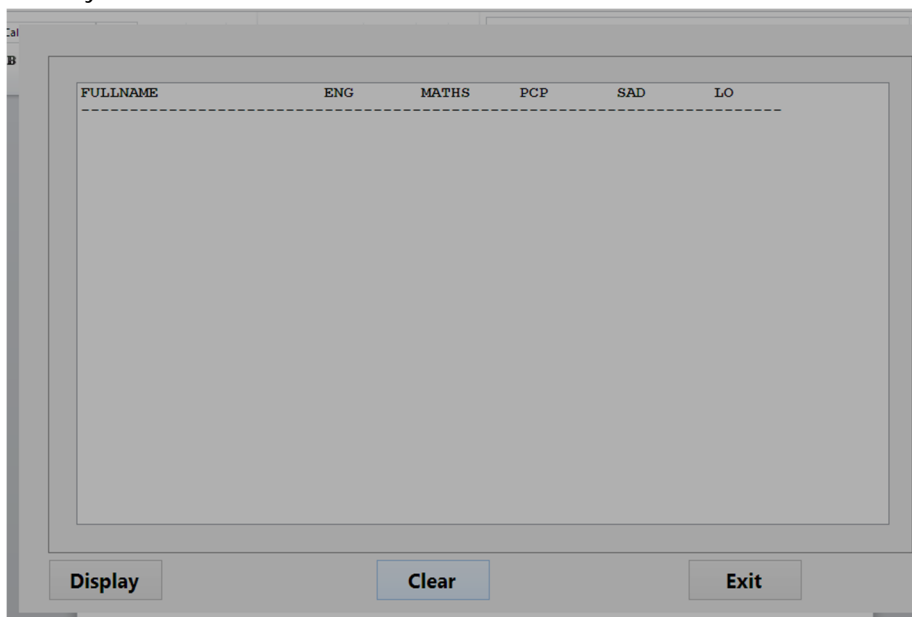


- When you click the display button it will look like this:



Note that the date and time has been entered automatically

- When you click **clear** button it must look like this



QUESTIONS: Open a vb solution called studentPerformance and answer the following questions:

- (a) Declare all the necessary one dimensional arrays explicitly and parallel Data is as follows: (5)
Tshigomana MD,Mulaudzi VB,Nephawe LJ,Mudau AG,Sigama DQ,Gangashe GV,
Harmse KB,Bulala ZD,Makhavhu PJ
EngMark 38, 50, 53, 78, 41, 41, 25, 58, 63, 49
Maths 34, 50, 20, 23, 41, 69, 25, 58, 63, 10
PCP 72, 50, 20, 69, 41, 96, 50, 58, 37, 75
SAD 27, 50, 20, 44, 14, 96, 25, 58, 39, 17
LO 52, 50, 100, 63, 14, 96, 69, 45, 30, 68
- (b) Declare the accumulators (5)
- (c) A procedure to add a line (2)
- (d) Declare a procedure and call it subClear and it must do the following: (5)
Clear the listbox
Add heading
Add a line
Reset Totals
Enable btnDisplay
- (e) On btnExit enter the code to close the application (2)
- (f) When the form loads enter the code to enter the headings,NB You are not using a procedure. (1)
- (g) Call a procedure to add a line. (2)
- (h) On btnDisplay add a code to achieve the following:
- (i) Display the contents of the array in a listbox as in the instructions (3)
- (j) Write statement to calculate the totals of each subjects as in the instructions (5)
- (k) Add a line by calling the procedure to draw a line (2)
- (l) Enter a code to display display the totals as in shown in the instructions (2)
- (m) Call a procedure to add a line (1)
- (n) Declare a variable to calculate average of **PCP** and then calculate average (2)

- (o) Display PCP average as in the instructions (2)
- (p) Disable the Display button (1)
- (q) Using the For...loop statement create 20 spaces on the listbox and then add your name and date stamp as indicated in the illustration (3)

- (r) On btnClear call the subClear procedure to clear the listbox (2)

Print the following items:

- (i) Screen dump when you click display button
- (ii) Print your code

TOTAL :50