

ONE DIMENSIONAL ARRAYS REVIEW SHEET

1. Produce the output for the following program

```
int [] arr = new int[17];
s=1
do
{
    arr[s]=3*s-2;
    s=s+1;
}
while (s < 17);

MessageBox.Show( arr[5].ToString());

x=arr[4];
MessageBox.Show( arr[x+5].ToString());
```

2. You are to supply the program segments which make up the procedures described below. Assume a Listbox exists called LstDisplay which will be used for displaying any required output.

Below is the general declaration section of the program. It indicates most of the arrays and variables used in the program, which have module scope. You may need to add others as you create the required general procedures.

```
String [] StudentName = new string[100];
Int [] HistoryMark = new int[100];
Int counter;
```

- a) DataEntry - inputs the names of students and their history marks (the entry of each students' history mark should be dummy proofed) and places them into the appropriate arrays.
- b) PassFail - Displays the names and history marks of the students in columns with appropriate titles. Beside each students mark include 'pass' or 'fail'
- c) Between - Displays the name(s) of the people with marks between 50 and 75.
- d) Deduct5 - Deducts 5 from all the marks
- e) HighLow - Determines the lowest and highest history marks and the names of the students who obtained those marks.
- f) CategoryCount - Determines the number of "A" marks (80-100) , the number of "B" marks (70-79), and the number of "F" marks (<50). Display the results with appropriate titles.