***10.1** (*Assign grades*) Write a program that reads a list of scores and then assigns grades based on the following scheme:

The grade is A if score is >= best – 10.
The grade is B if score is >= best – 20.
The grade is C if score is >= best – 30.
The grade is D if score is >= best – 40.
The grade is F otherwise.

Here is a sample run:

```
Enter scores: 40 55 70 58 Enter
Student 0 score is 40 and grade is C
Student 1 score is 55 and grade is B
Student 2 score is 70 and grade is A
Student 3 score is 58 and grade is B
```

10.8 (*Find the index of the smallest element*) Write a function that returns the index of the smallest element in a list of integers. If the number of such elements is greater than 1, return the smallest index. Use the following header:

```
def indexOfSmallestElement(lst):
```

Write a test program that prompts the user to enter a list of numbers, invokes this function to return the index of the smallest element, and displays the index.

10.13 (*Eliminate duplicates*) Write a function that returns a new list by eliminating the duplicate values in the list. Use the following function header:

```
def eliminateDuplicates(lst):
```

Write a test program that reads in a list of integers, invokes the function, and displays the result. Here is the sample run of the program:

```
Enter ten numbers: 1 2 3 2 1 6 3 4 5 2 Enter
The distinct numbers are: 1 2 3 6 4 5
```