```
# PROBLEM 10.1

scores = input("Enter scores: ").split()
best = int(max(scores))

for i in range(len(scores)):
    score = int(scores[i])
    if score >= best - 10:
        grade = "A"
    elif score >= best - 20:
        grade = "B"
    elif score >= best - 30:
        grade = "C"
    elif score >= best - 40:
        grade = "D"
    else:
        grade = "F"
    print(f"Student {i} score is {score} and grade is {grade}")

= RESTART: C:/Users/Caden
Roberts/AppData/Local/Programs/Python/Python311/Chapter 1.py
Enter scores: 45 56 78 90 34 45 67 100 28 37
Student 0 score is 45 and grade is F
Student 1 score is 56 and grade is D
Student 2 score is 78 and grade is B
Student 3 score is 90 and grade is A
Student 4 score is 34 and grade is F
Student 5 score is 45 and grade is F
Student 6 score is 67 and grade is C
Student 7 score is 100 and grade is A
Student 8 score is 28 and grade is F
Student 9 score is 37 and grade is F

# PROBLEM 10.8
def indexOfSmallestElement(lst):
    smallest = lst[0]
    smallestIndex = 0
    for i in range(0, len(lst)):
        if lst[i] < smallest:
            smallest = lst[i]
            smallestIndex = i
    return smallestIndex

numbers = input("Enter a list of numbers: ").split()
index = indexOfSmallestElement(numbers)
print("The index of the smallest element is", index)

= RESTART: C:/Users/Caden
Roberts/AppData/Local/Programs/Python/Python311/Chapter 1.py
Enter a list of numbers: 34 90 90 90 90 45 20 20 20 20 67 20 47 83 94 95
The index of the smallest element is 6


# PROBLEM 10.13
```

```
def eliminateDuplicates(lst):
    duplicates = []
    for i in range(0, len(lst)):
        for j in range(0, len(lst)):
            if i!=j and lst[i]==lst[j]:
                duplicates.append(lst[i])
    for i in duplicates:
        if i in lst:
            lst.remove(i)
    return lst

numbers = input("Enter a list of 10 numbers: ").split()

print("The distint numbers are:", eliminateDuplicates(numbers))

= RESTART: C:/Users/Caden
Roberts/AppData/Local/Programs/Python/Python311/Chapter 1.py ==========
Enter a list of 10 numbers: 1 2 3 4 5 5 5 5 6 8 8 1
The distint numbers are: ['2', '3', '4', '6']
```