Prob #1

Design 1

read # scores from user, n
min = read score 1
max = read score 2
if min > max
    swap min & max
total = min + max
for # scores, 1 to n-2
    read score
    if (score > max)
        max = score
    else if (score < min)
        min = score
    total = total + score
Print "Average is: " total/n

Ex. 89 90 50 100

Design 2

read # scores, n
max & min = read score 1
total = max
for # scores, 1 to n-1
    read score
    if (score > max)
        max = score
    else if (score < min)
        min = score
    total = total + score
Print "Average is: " total/n
Problem 2
Ex. 3

get # from user, num
prime = true
i = 2
while (prime is true & i <= sqrt(num))
    if (num \ mod \ i = 0) # num is evenly divisible by i
        prime = false
if prime is true
    print " The # is prime"
else
    print " The # is NOT prime"
Prob #3

read beginning balance, beg_balance
read # deposits, num-deposits
read # checks, num-checks
read # bank fees, num-fees
for # deposits, 1 to num-deposits
   read deposit
   beg_balance = beg_balance + deposit
for # checks, 1 to num-checks
   read check
   beg_balance = beg_balance + check
for # fees, 1 to num-fees
   read fee
   beg_balance = beg_balance - fee
Print "Your total balance is:" beg_balance