Question 1

Step 1: Convert Octal number 10323646520 back to decimal number

10323646520=(1\*8^10)+(0\*8^9)+(3\*8^8)+(2\*8^7)+(3\*8^6)+(6\*8^5)+(4\*8^3)+(2\*8^1)+(0\*8^0)=1129270608

Step 2: Then convert decimal number 1129270608 into Hexadecimal number

1129270608/16=70579413…….0

70579413/16=4411213……5

4411213/16=275700……13

275700/16=17231……4

17231/16=1076……15

1076/16=67……4

67/16=4……3

4/16=0……4

Hexadecimal number is 434F4D50

Step 3: Convert Hexadecimal number 434F4D50 into ASCII form

43=C

4F=O

4D=M

50=P

COMP is the final resulting text message

Question 2

Input: A list of numbers, M，A number to look up，I

Output: The intensity value I that appears most frequently in the list pf numbers M

for i in [1,m] do

for j in [1,n] do

print m, n and list the corresponding number as Ai, j (A is the number on the list)

Put all numbers in a list starting from A1,1,

Set list as [A1,1, A1,2, A1,3, A1,4……Ai, j]

for i in [1,m] do

for j in [1,n] do

List.count(Ai, j)

Repeat

If

List.count(Ai, j) is the biggest number

A=I

Else

Continue List.count(Ai, j) till biggest number is found

Print the number I from the list of numbers M

Question 3

I would be more preferring to be acting like a function instead of a procedure. Just like one of the characteristics described” the inputs and outputs of a function must be specified

clearly”. I am a person that needs clear instructions and directions to work towards before I would finish the work and perform it well. Giving out clear outputs and results of my action instead of changing the state of me is what is different of me acting like a function compared with a procedure. For example, if the teacher has required us to write an English essay. The input for me would be instructions and requirements for the essay. The output would be an essay written according to all the instructions and requirements given by the teacher. It maybe be different for me and other students, but I can promise that my speed on working, and all work is correctly performed like a function.