CSCI110 Test 3 (Chapter 6)

(11/19/2021)

Name: Austin Ngo Grade: \_\_\_\_\_\_\_\_\_\_\_\_\_

Your Answer Here Please submit this form (docx) when you are finished

1. \_\_\_\_\_\_\_D

2. \_\_\_\_\_\_\_B

3. \_\_\_\_\_\_\_B

4. \_\_\_\_\_\_\_C

5. \_\_\_\_\_\_\_C

6. \_\_\_\_\_\_\_D

7. \_\_\_\_\_\_\_D

8. \_\_\_\_\_\_\_C

9. \_\_\_\_\_\_\_B

10. \_\_\_\_\_\_\_C

11. \_\_\_\_\_\_\_D

12. \_\_\_\_\_\_\_A

13. \_\_\_\_\_\_\_C

14. \_\_\_\_\_\_\_B

15. \_\_\_\_\_\_\_B

16. \_\_\_\_\_\_\_B

17. \_\_\_\_\_\_\_C

18. \_\_\_\_\_\_\_A

19. \_\_\_\_\_\_\_B

20. \_\_\_\_\_\_\_C

MT SAC College  
CSCI110  
Test 3 Part B  
Due Date: \_\_\_\_11/19/2021\_\_\_\_\_\_\_\_\_\_\_  
Name: Austin Ngo\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Grade: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

#include "stdafx.h"

#include <iostream>

#include <cmath>

#include <string>

#include <cstdlib>

#include <iomanip>

#include <math.h>

using namespace std;

int main()

{

const int ROLLS = 20;

srand(time(0));

int values[20];

for (int i = 0; i <= ROLLS; i++)

{

values[i] = 1 + rand() % 6;

cout << " " << values[i];

}

cout << endl;

int max\_count = 0;

int length = values[0];

for (int i = 0; i < length; i++)

{

int count = 1;

for (int j = 1 + 1; j < length; j++)

{

if (values[i] == values[j])

count++;

}

if (count > max\_count)

{

max\_count = count;

}

}

int result = 0;

for (int i = 0; i < length; i++)

{

int count = 1;

for (int j = i + 1; j < length; j++)

{

if (values[i] == values[j])

count++;

}

if (count == max\_count)

{

max\_count = values[i];

result = i;

cout << "The longest run occurs at " << result << endl;

}

}

system("pause");

return 0;

}



