

Computer Science 120
Project No. 10

Name

Write programs with the following I/O

1. Write a program with the following I/O.
 - a. Read 5 numbers in array : int a[5];
 - b. Display all numbers
 - c. Compute and print their total
 - d. Find and display the maximum and the minimum number in array a
 - e. Draw the bar graph of array a

Enter 5 numbers: 2 7 1 8 9
This is the content of array a: 2 7 1 8 9
Total od data in array a is 27
The maximum and minimum data are 9 1

This is the bar graph of array a

2 : * *
7: * * * * * * *
1: *
8: * * * * * * *
9: * * * * * * * *

2. Complete this program by adding the missing parts marked with "....."

```
int main()
{
    Int a[10];
    // assign 10 random integers between 1 and 100 to array a
    .....
    //Display array a
    .....
    //Find the maximum and minimum numbers in array a
    Int max, min;
    .....
    // Show the max and min values.
    .....
    // find the average of numbers in array a
    float Average; int Total;
    .....
    // display numbers in array a whose value is above average
    .....
    //terminate program
    return 0;
}
```

3. Given the following array:
string Future[5]={“Study more”, “Go to movie”, “Stay home”, “Call friend”,
“Go to Los Vegas”};
Generate a random number between 0 and 4 to display one of the following messages
From the array Future
Sample I/O
Stay home
Continue(y/n)? y
Call your friend
Continue(y/n)?