Adamson University  
College of Engineering  
Computer Engineering Department

Data Structures & Algorithm Analysis Lab  
MW/7am-10am/CL3

Laboratory Exercise #3  
STRING

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Date

II. The Output

III. Analysis/Conclusion

STREX1 is simply stores the character in the array then program display what stores in array. STREX2 is similar to STREX1 simply stores character in the array but for this used cin.getline to read the unformatted string. STREX3 illustrates the use of strlen for the clarity of the string as its argument returns its length. The length does not include the null character. If there is no null character in the string, the behavior of the function is undefined. The program counts the characters, character is the same with the message. STREX4 illustrate the use of strcat and strcpy. The use of strcat will concatenate the string pointed to by destination. Returns a pointer to the destination string. The use of strcpy is to copy one string to another, it copies the string pointed to by source into the destination. STREX5 is getting the product of price and quantity that equals to the cost. But for this, illustrates the use of atof and atoi functions, atof interprets the contents of a string as a floating point number and return it value as a double while atoi converts a string into an integer numerical representation these are several function which are used to onvert a string into a long, double or long long type respectively. Buffer used for a lot of sense and speeds up the calculation process. Set precision is used to set the number of decimal places to be displayed while cout.setf(ios::fixed) set the number you pass in set precision that generates the output. Therefore the exercise has been debugged and illustrated the function of each string.