



DHA SUFFA UNIVERSITY

Department of Computer Science

Final-Term Semester Examination – Fall 2021

Course Code: CS-1001L Course Title: Programming Fundamentals

Class/Section: CS-1B1

Date: 02/02/2021

Course Instructor: Maleeha Shah

Time Allowed: 02 Hours

Max Marks: 30

DSU Honor Code Pledge

I have read and acknowledge DHA Suffa University's Honor Code, and hereby pledge that I will submit work that will entirely be my own and I will NOT:

- (i) Use the services of any agency or individual/student providing assistance in the preparation of the text I submit for this Online Examination;
- (ii) Give assistance in accessing this paper or provide assistance to other students taking this Online Examination.

Note:

1. This exam consists of 2 pages. Before starting the exam, make sure that you have all pages in your question paper.
2. Attempt **all** questions.
3. You are required to save your files as your RollNum_questionNum. E.g.cs201027_q1.c or CS201027_q2.c
4. Compress all file(s) and name the compressed (.zip or .rar) file as your RollNum. E.g. cs201027.
5. Submit the compressed file on LMS before at least 10 minutes of cut-off time.

Question 01:

Write a program that asks the user to enter today's sales rounded to the nearest \$100 for each of three stores. The program should then display a bar graph comparing each store's sales. Create each bar in the graph by displaying a row of asterisks. Each asterisk should represent \$100 of sales.

Here is an example of the program's output. User input is shown in bold.

1. Enter today's sales for store 1: 990[Enter]
2. Enter today's sales for store 2: 1150[Enter]
3. Enter today's sales for store 3: 910[Enter]

DAILY SALES (each * = \$100)

Question 02:

Write a program to display Box shape using for loop

```
*****
*               *
*               *
*               *
*****
```



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Question 03:

Write a C program which performs the following tasks:

- create a Student.txt file
- Write student name, Student ID and marks in a file
- Close the file.
- Read Student.txt file and if the student name contain any vowels remove all the vowels from the student name.
- Display the file contents on console.
- Count the number of Lines in a Student.txt file

Question 04:

Write s C program to print Mark-sheet in a given format.

```
Enter your Roll No:101
Enter your name:PurvaPatel
Enter your School name:AhmedabadHighSchool
Enter your Standard:7
Enter marks of maths:90
Enter marks of science:80
Enter marks of english:95
Enter marks of hindi:85
Enter marks of computer:90
=====
MARKSHEET OF STANDARD:7, AhmedabadHighSchool
=====
Roll No.: 101   Student Name: PurvaPatel
-----
SUBJECT                MARKS
-----
Maths                   90
Science                 80
English                95
Hindi                  85
Computer               90
-----
Total Marks:           440
=====
```

Best of Luck ☺