

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 134, Data Structure & Algorithm Lab (Eve)
Course Teacher: Md. Nur-E-Arefin (01675025549, nur.arefin@royal.edu.bd)

Assignment

Assignment Topic:

Write down the theory, algorithm, C code and output of experiment 7 to 11 (single linked list, double linked list, polynomial, binary tree and max heap) from the lab manual provided in the class.

Submission deadline: 30st August, 2021

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 312, Database Management System Lab (Day)
Course Teacher: Md. Nur-E-Arefin (01675025549, nur.arefin@royal.edu.bd)

Assignment

Assignment Topic:

Write down the experiment no 6 to 10 from the given lab manual in the class. For experiment no 6 and 8 you have to make the database table, insert some values on the table and afterwards do the operations given in the experiments. For PL/SQL related experiments just run the code and show the results. Provide proper screenshots of your work.

Submission deadline: 30st August, 2021

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 122: Structured Programming Language Lab
Course Teacher: Ahmed Abdullah (01680076500, ahmed.abdullah@royal.edu.bd)

Assignment

Assignment Topic:

Write a C program to sum two consecutive arrays.

Submission deadline: 30th August, 2021.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSIT 212: Digital Logic Design lab
Course Teacher: Ahmed Abdullah 01680076500, ahmed.abdullah@royal.edu.bd

Assignment

Assignment Topic:

Design a 1 to 8 line demultiplexer using a 3 to 8 line decoder.

Submission deadline: 30th August, 2021.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 232: Computer Algorithm lab (Eve)
Course Teacher: Hasan Abdullah (01681523656, hasan.abdullah@royal.edu.bd)

Assignment

Assignment Topic:

i) Write a C program to implement the Binary Search algorithm. ii) Show the output of a C program for generating a Fibonacci series.

Submission deadline: 30st August, 2021.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code: 334, Course Name: Operating System Lab
Course Teacher: Md Khirul Islam Badal (01748864767, Khirul.badal@royal.edu.bd)
Assignment for Final (EVE)

Assignment Topic:

1. a) Write a C program to implement the following problem and find the average waiting time, average turnaround time using **Round Robin algorithm** where time quantum = 2.

Process no	Arrival time	Burst Time
P1	0	5
P2	1	4
P3	2	2
P4	4	1

- b) Write a C program to implement the following problem and find the average waiting time, average turnaround time using **Short Job First Serve algorithm**.

Process no	Arrival time	Burst Time
P1	0	5
P2	1	4
P3	2	2
P4	4	1

Print the Output for above two problems:

Process P1 waiting time = 1 sec

Process P2 waiting time = 1 sec

Process P3 waiting time = 1 sec

Process P4 waiting time = 1 sec

Avg Waiting time = 1.0 sec

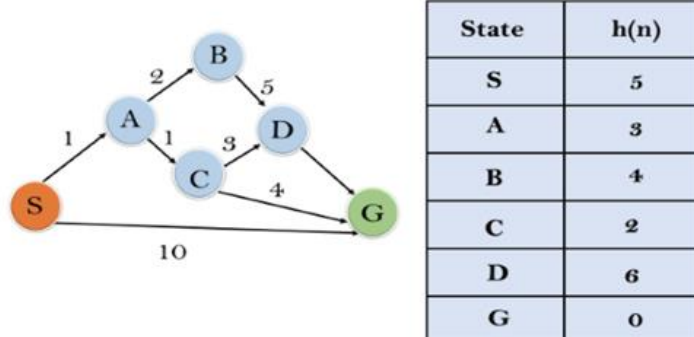
Avg Turnaround Time = 1.0 sec

Note: Run all the program in Linux/ubuntu operating system terminal and show the output on the terminal.

Submission deadline: 30st August, 2021

ROYAL UNIVERSITY OF DHAKA
 Program: B.Sc. (HON'S) in CSE/CSIT
Course Code: 316, Course Name: Artificial Intelligence Lab
Course Teacher: Md Khirul Islam Badal (01748864767, Khirul.badal@royal.edu.bd)
Assignment for Final (EVE)

1. a) Write down a python program to solve following graph using A* algorithm-



- b) Run the Support Vector Machine, Logistic Regressor Classification algorithm for following dataset and find the accuracy of two models.

Dataset Link: <https://drive.google.com/file/d/1Yx-KNIMj91XDNhpG-UD-ebIE7aNLUI69/view?usp=sharing>

Submission deadline: 30st August, 2021

ROYAL UNIVERSITY OF DHAKA
 Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 316 – Artificial Intelligence lab (day)
Course Teacher: Nazia Nuzhat (01705829945, nazia.nuzhat@royal.edu.bd)
 Assignment

Assignment Topic:

1. (i) Do a Python Program where a while loop will run from 0 to 16. Show the work of continue and break statements in your program.

- (ii) Solve the following equations with python program:

$$ax^2 + bx + c$$

Where,

$$x = 2, b = 1, a=8, c=4$$

- (iii) Do a Python Program where you have to take 3 integer input value and print the maximum value using inner if statement.

Submission deadline: 30th August, 2021.

ROYAL UNIVERSITY OF DHAKA
 Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 312 – Database Management System lab (eve)
Course Teacher: Nazia Nuzhat (01705829945, nazia.nuzhat@royal.edu.bd)
 Assignment

Assignment Topic:

1. Create a database table (student) with phpmyadmin. Make a form for student's information (Name, Roll and Phone_Number), which can be dynamically added to the student table.

Submission deadline: 30th August, 2021.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSIT 108 - Optical Fiber Communication Lab
Course Teacher: Kanti Bhusan Roy Kawshik (01924008069,
kanti.kawshik@royal.edu.bd)
Assignment

Assignment Topic:

<https://docs.google.com/spreadsheets/d/1GbXWIRdvqOFe6GMyl9UABqhOmXLLN8f/edit?usp=sharing&ouid=117028785376192568823&rtpof=true&sd=true>

From this drive link, you need to access the data. You have to initial those data for preprocessing include:

Normalizing

Resampling

Aligning

Submission deadline: 30th August, 2021.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: Microprocessor & Assembly Language Lab
Course Teacher: Kanti Bhusan Roy Kawshik (01924008069,
kanti.kawshik@royal.edu.bd)
Assignment

Assignment Topic:

Write a code for 1000*500 and 100000/2000

Submission deadline: 30th August, 2021.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: EEE 104 - Electronics Engineering Lab
Course Teacher: Kanti Bhusan Roy Kawshik (01924008069,
kanti.kawshik@royal.edu.bd)
Assignment

Assignment Topic:

Make a Class B amplifier with proteus and explain everything.

Submission deadline: 30th August, 2021.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 123 - Engineering Drawing
Course Teacher: Kanti Bhusan Roy Kawshik (01924008069,
kanti.kawshik@royal.edu.bd)
Assignment

Assignment Topic:

<https://drive.google.com/file/d/1AEEXc7yr8Q1FpmaH7SLkD-0OXgc8IcVx/view?usp=sharing>

Take the drawing from the drive link and make Electrical Drawing for that apartment.

Submission deadline: 30th August, 2021.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 112 - Computer Fundamentals Lab
Course Teacher: Kanti Bhusan Roy Kawshik (01924008069,
kanti.kawshik@royal.edu.bd)
Assignment

Assignment Topic:

Make a word file and add reference and table of content.

Submission deadline: 30th August, 2021.