Assignment-1
School of Computer Science and Engineering
University of Petroleum and Energy Studies, Dehradun
Data Structure

Instructions

- The assignment should be handwritten.

- All questions are compulsory and carry equal weightage

- Write proper justification for your answer

- Upload your solution in single pdf file through BB portal

Questions

1. Why is it necessary to define the type of the pointer at the time of deceleration?

2. Discuss the void pointer. How void pointer is being used to point an integer variable?

3. What is typecasting? Why type casting is used to access the value of any variable using a void pointer?

4. Let an assume an integer array named num of size n which stores first n natural number. Write the procedure to find the sum of array num.

5. Define pointer in C. write the syntax to define an integer pointer. What is special about one-dimensional array name in the context of the pointer.

6. Explain the syntax to define structure. Why padding is used while storing structure elements in it?