

EXTERNAL LEARNING 2

Date of submission: 21/10/2019

Learning outcomes:

1. Compare and contrast between the various derived data types.
2. Write, debug and execute C programs for simple applications using a text editor.

Important instructions:

- Assignment has to be submitted on time else marks will be deducted.
- The assignment must be submitted along with the evaluation sheet.
- All answers must be handwritten, except for programming questions. You may take the printout of the source code along with the output.
- EACH INDIVIDUAL MUST INDEPENDENTLY SOLVE THE QUESTIONS. IF FOUND COPYING, STRICT PUNISHMENT WILL BE GIVEN.

Questions:

1. Explain an array of pointers with an example, program and output.
2. What kind of pointers will we need to correlate with a 2-D array? Explain with a sample program and memory representation diagram of the same.
3. Give some real-life applications where sorting of an array can be helpful. Find out about different sorting techniques and explain their methodologies in brief using suitable example.
4. What is an array of strings? Show with a sample program and output.