Below is a list of some journals related to algorithms:

- ACM Computing Surveys
- ACM Transactions on Information Systems
- Algorithmica
- Information and Computation
- Information Processing Letters
- Information Sciences
- International Journal of Computer and Information Systems
- SIAM Journal on Computing
- SIAM Journal on Scientific Computing
- The Computer

Find a paper/article which is interesting for you from one of these journals (or from another journal that you know). You can search the journals from the library or from the “electronic journals” section of the library web page. The content of the paper should be related to our course subjects (i.e., a new algorithm, modification of a well-known algorithm, a new algorithmic concept, a parallel algorithm, complexity of an algorithm, etc.). The length of the paper must be at least 4 pages for a group of 1 person or 5 pages for a group of 2 persons.

Especially, consider the journal “Information Processing Letters”, which includes short and neat papers.

Send by e-mail exactly the following information to the assistant until 15.12.2010:
- Title and authors of the paper
- Abstract of the paper
- Where it was issued (journal name, vol.no, date, page no.)

(Do not send an electronic copy of the full paper.) The assistant will reply you whether your paper is confirmed or not. If it is not confirmed (because of its content or because another group has selected it), you must find another paper. Each group must have a different paper. The acceptance procedure is FIFO (i.e., a paper will be assigned to the group first proposed it). After your paper is confirmed, give a hard-copy of the paper to the assistant until 22.12.2010.

Read and understand it. The key point of this project is that you completely understand the paper.

Make a 20-25 minutes presentation. The presentation will be for the instructor or the teaching assistant only; not for the class. You will simply explain the paper – do not prepare anything like power-point presentation or slides, etc.

The presentation will be within 3.1.2011 and 7.1.2011. The exact date and time will be arranged later.

Notes:
- The project can be done as a single person or as a group of two persons. Within your first e-mail, also send the names of the group members.
· We recommend you to examine several papers before deciding on a paper. Do not choose a paper if you are not sure that you will completely understand it. During the presentation, do not say “the paper was too long/the paper was difficult; so I didn’t understand all of it”.

· As mentioned above, you should completely understand the paper. Each member of the group must actively participate in the presentation.

· The presentation may be either in English or in Turkish.