

# Assignment 1

## Basic shell and Internet search

1. Read at least one book from library. Prof. Govindrajulu suggested lot of books in his talk on history of computers on first day of IT Shivar. You can read one of those classics or some other book. But you must read one non-technical book this week. Write a small paragraph about the book. Even if you cant read complete book you must read at least first few chapters (about 40-50 pages) of book.
2. Answer following questions using web search engine. Do not copy answers from your friends. If answers are found same, both students or set of students whose answers are very similar will be penalized. Along with answers also mention search keywords you used in search engine to find the information and the sites you had referred to for each answer.
  - (a) What are blue ray disks?
  - (b) What is swine flu?
  - (c) What are different methods of treating common cold at home without taking medicine?
  - (d) How do make pizza or what is the receipe of making pizza?
  - (e) How many states are there in United States of America? Which states of america have largest / smallest population? Which states of america are smallest / largest area wise?
  - (f) Answer two questions of your choice. Any two questions that you wanted answers for but could not find so far. Try to find answers for them. Even if you cant find answer at least mention what you learned about the question or what all you tried.
3. Submit 10 news headlines of today or yesterday with one or two lines describing news. Also mention website from which you got this information. You must read news from at least two different news websites.
4. Before answering this question, go to home directory using 'cd' or 'cd ~' command. Then create a directory with your name. Then use 'cd <yourname>' to go in directory with your name. Then type 'script assignment1.txt' command.

After that create directory / file strcuture as described below.

- (a) Create directory name india inside directory with name same as your first name.
- (b) Inside directory named india create directories with names of all states. You must create a directory for each state like madhya\_pradesh, andhra\_pradesh, delhi, etc.
- (c) Inside each state directory create file with name of city in that state. For example create file named hyderabad inside directory named andhra\_pradesh. You must create at least one city file inside each state directory. You can create files for more than one city also in some state directories.
- (d) Put one or two lines about city in this city files.

The idea of this exercise is that you learn to edit files, create files / directories and that you learn to search on Internet about famous cities for each state. You will also come to know about new cities through this exercise.

After finishing the exercise type 'exit' to end script session. A file named 'assignment1.txt' would be created in your home directory. You must send/attach this file also as part of assignment.

5. Write difference between college and school? Also write difference between home life and campus/hostel life. What challenges do you think you will face now as you are a college student?

Answer all questions in different file with proper name. For example file for answer of question 1 can be named same as name of book with extension '.txt'. Attach all the files in one email and send it to my official email address. You must also attach the file named assignment1.txt in this email. For any problems / queries regarding this assignment you can mail me.

## Frequently asked questions

1. **Can we read book other than ones suggested by prof. Govindrajulu?**  
Yes, you can
2. **Can we read book which is not from library?**  
Yes, you can. But purpose of exercise is to make you familiar with

library and getting used to searching books in library. So it is recommended that you read one from library, but it is not compulsory

**3. Should I write answers in my own words or can I copy paste them from source?**

Being able to write answers in your own words is important, as you would be expected to write answers in your own words, even if you have referred to multiple source like Internet, books. The reading about cities of different states will encourage you to learn about different cities / cultures / states. Again even if you copy/paste answers from website it is fine for purpose of evaluation, but it is recommended that you try to frame answers in your own words.

**4. I did my assignment on web.iiit.ac.in (192.168.36.158) server. I do not know how to send the files in emails? You do not need to send files in email. Just mention that you have done assignment on web.iiit.ac.in server and your username. I can check your files on web.iiit.ac.in server**

**5. How do I attach directories created as part of fourth question?**  
You do not have to attach directories or files you have created in fourth question. Just attach file named assignment1.txt created while solving fourth question.

6.
  - **I typed exit before completing fourth question. What should I do?**
  - **I pressed Ctrl+D by mistake before finishing question 4. What should I do?**
  - **I closed terminal by mistake in middle of answering question 4. What should I do?**

Use command "script assignment1\_2.txt" and continue answering from where you had left. At end email both assignment1.txt and assignment1\_2.txt and send email. You and also zip both along with other answers and upload them on course portal.

**7. Some one deleted / over wrote on my assignment1.txt file. What to do now?**

Just use tree command and get entire directory structure. Copy the tree and save it some text file as answer for assignment 4.

8. **Should I write all answers in one big text file or should I use separate text files?**

Up to you. I am fine with either of the two choices.