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| **TASK** | **COMMAND** |
| Create the following file in your home directory, called carprice.txt :    The carprice.txt file contains a number of records, each of which is comprised of five fields: manufacturer, model name, model identifier, car price and its insurance group | **cat > carprice.txt** |
| Create the following file in your home directory, called carspeed.txt:    The records in the carspeed.txt file are also made up of five fields; the first three are identical to those held in the carprice.txt file, but the price and insurance group fields are replaced by the cars top speed and its engine capacity (in cubic centimetres) | **cat > carspeed.txt** |
| 1. List the carprice.txt file in order of: 2. Car Manufacturer 3. Price 4. Insurance Group | a) sort carprice.txt |
| b) sort –k4n carprice.txt |
| c) sort –k5n carprice.txt |
| 1. List the carspeed.txt file in order of: 2. Top Speed 3. Engine Size | a) sort –k4n carspeed.txt |
| b) sort –k5n carspeed.txt |
| 1. Repeat questions 1(b) but list the file in reverse order | sort –k4nr carprice.txt |
| 1. Repeat questions 2(a) but list the file in reverse order | sort –k4nr carspeed |
| 1. Find the number of records in each file | wc -l < carprice  wc -l < carspeed |
| 1. Sort the carprice.txt file in order of the car manufacturer, with any cars from the same maker listed in order of price | sort +0 -1 +3n -4 carprice |
| 1. Count all the cars in the carprice.txt file made by: 2. Ford 3. Vauxhall 4. Volvo | a) grep Ford carprice | wc -l |
| b) grep Vauxhall carprice | wc -l |
| c) grep Volvo carprice | wc -l |
| 8. List all the cars with an insurance group of:  a) 7  b) 9 | a) grep '7$' carprice |
| b) grep '9$' carprice |
| 9. List the cars in the carprice.txt file, which have the letters GT in their name | grep GT carprice |
| 10. List the cars with GT in their name in descending order of top speed | grep GT carspeed | sort +3n -r |
| 11. Find all the entries in the carprice.txt file whose manufacturer's name begins with the letter 'V', sort them into alphabetical order of maker's name and save them in a file called **vmake** | grep '^V' carprice | sort -ovmake |
| 12. Repeat this process for the carspeed.txt file, saving the data in **vspeed** | grep '^V' carspeed | sort -ovspeed |
| 13. Join **vmake** and **vspeed** listing the result on screen | join vmake vspeed |
| 14. Using the carspeed.txt file, list all the vehicles with engine capacities between 1600 and 1999 c.c. | grep 1[6-9][0-9][0-9] carspeed |