

Week - 2, Code with us

Problem 1

Find the CPU used in the machine and print it. Ex: Intel(R) Core(TM) i5-1035G1 CPU @ 1.00GHz

Solution

```
# It will be different for every user.  
# Read the file /proc/cpuinfo.  
# The cpu used will be mention after `model name`  
echo AMD EPYC 7B12
```

Problem 2

In a school consists of first to twelfth standard, each standard have 5 sections named from A to E. So the class room number is given as standard in number followed by section, for an example 12E, 3C, etc..

Your task is to create a directory for every class room. All the directories should be located inside the current directory.

Solution

```
mkdir {1..12}-{A..E}
```

Problem 3

In a school consists of first to twelfth standard, each standard have 5 sections named from A to E. So the class room number is given as standard in number followed by section, for an example 12E, 3C, etc.. Each classroom have 40 students. There is a directory for every class room. All the directories can be located inside the current directory.

Your task is to create a file for each student named from 1 to 40 in every directory.

Solution

```
touch {1..12}-{A..E}/{1..40}
```

Problem 4

In a school consists of first to twelfth standard, each standard have 5 sections named from A to E. So the class room number is given as standard in number followed by section, for an example 12E, 3C, etc.. Each classroom have 40 students. There is a directory for every class room. All the directories can be

located inside the current directory. There is a file for every student named from 1 to 40 in every directory.

Suddenly the school experienced 40% drop in first and sixth standard so they reduced the number of students in each class room to 32.

Your task is to remove the extra files in the respective directories.

Solution

```
rm {1,6}{A..E}/{33..40}
```

Problem 5

Get and print your replit owner (22t1SystemCommand) from the shell variables.

Solution

```
# specific to replit, won't work on local system  
echo $REPL_OWNER
```

Problem 6

Find the mime type of `somefile`. Hint: Use `file`. Refer manual of `file` or `file -help`

Solution

```
file somefile --mime-type
```

Problem 7

Find the day of week of April 1st of 2024 and print it to the output in full format with first letter capitalised. Ex: `Wednesday` Hint: Use `date` command.

Solution

```
date -d "2024-04-01" +%A
```