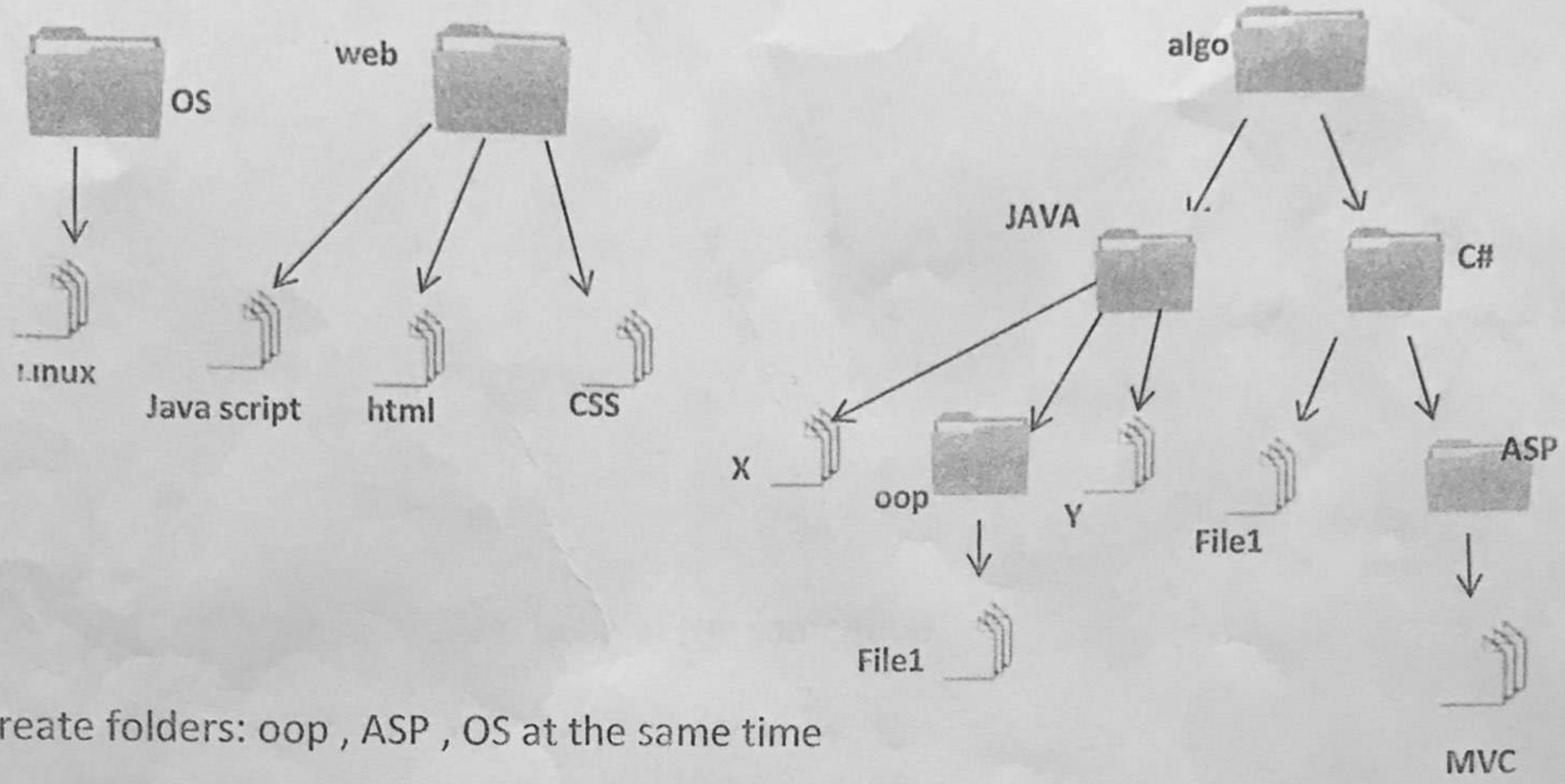
# کویزات عملی

تجمیع :

نور الجفري & فاطمة عاشور

it A3

## [D]




1- create folders: oop , ASP , OS at the same time

2- copy all files in folder JAVA to folder C#

3- append data to file MVC from X file

4- display lines of file file1 form line 5

5- remove the contents of folder web

6- move file1 in oop to C# with ask before move

7- change the access modification time to the current time of file Y

(1) mkdir algo/Java/oop algo/C#/Asp OS

(2) cp algo/Java/* algo/C#

(3) cat X >> MVC

(4) more +5 file1

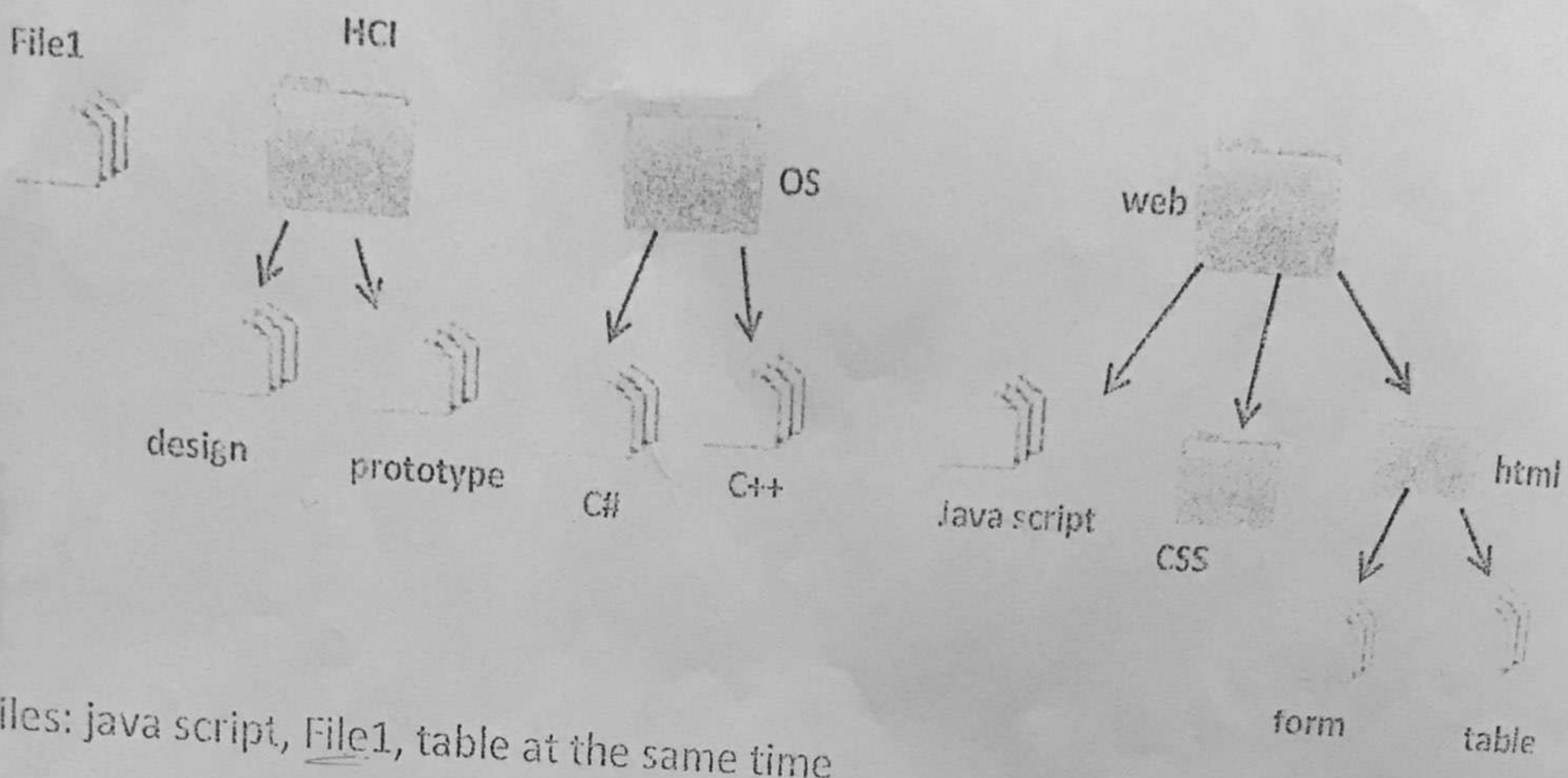
(5) rm -r web/*

(6) mv -i algo/Java/oop algo/C#

(7) touch algo/JVAV/Y

it A3

[C]




1- create files: java script, File1, table at the same time

2- move File1 to folder HCI with name analyze.

3- write to file java script, then display the contents in reverse

4- copy folder OS to web with display message after copy

5- display all lines in file C# except two last lines

6- append list of contents folder web to ~~File I~~ analyze

7- remove files C++ ,form

[1] touch web/'Java script' File1 web/html/table

[2] mv File1 HCI/analyze

[3] nano web/'java script' , ~~cat~~ tac web/'JavaScript'.

[4] cp -rv OS web

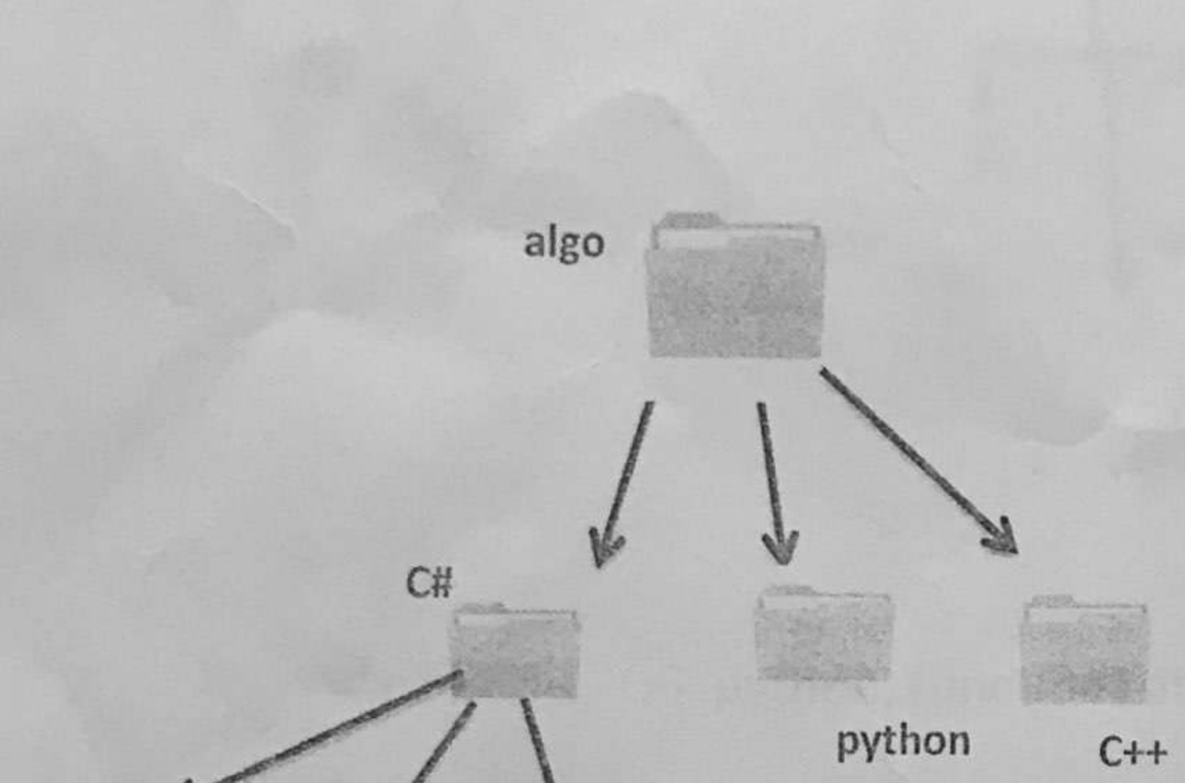
[5] head -n-2 OS/c#

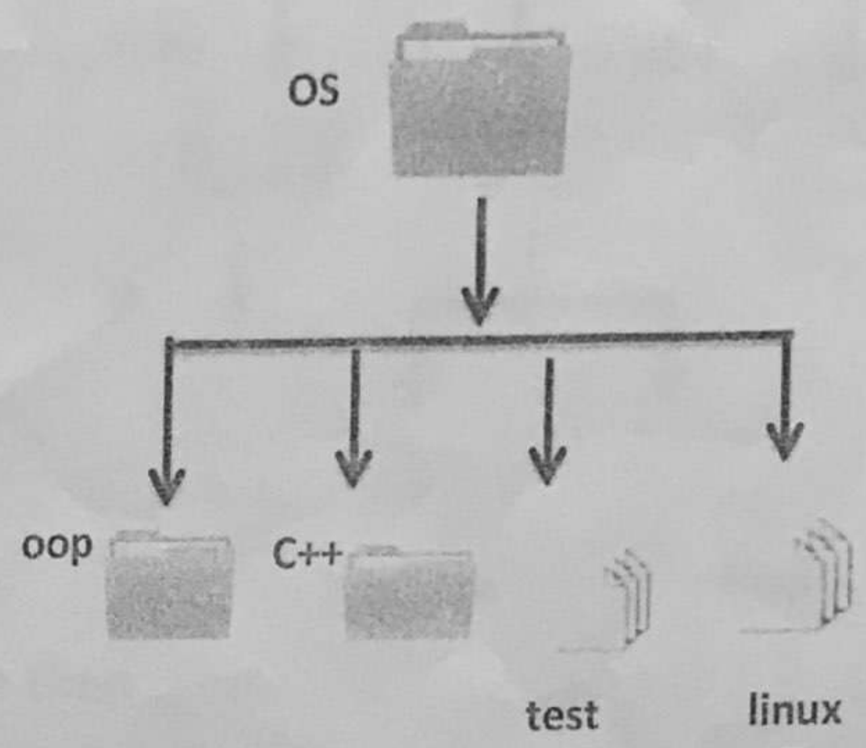
[6] ls web >> HCI/file1

[7] rm OS/c++ web/html/form

it G4

[B]




① mkdir algo/python algo/c# os/oop

② mv os/test os/sample

③ cp -ir algo/c++ os

④ tail -n+4 algo/c#/oop

1- create folders: python, C#, oop at the same time

2- rename the file test to sample

3- copy folder C++ in algo to OS with ask before copy

4- display all lines of file oop except 4 four fisrt lines

5- replace the content of file test with file ds

6- remove empty folders in folder OS

7- remove all contents of folder C# with display message after remove

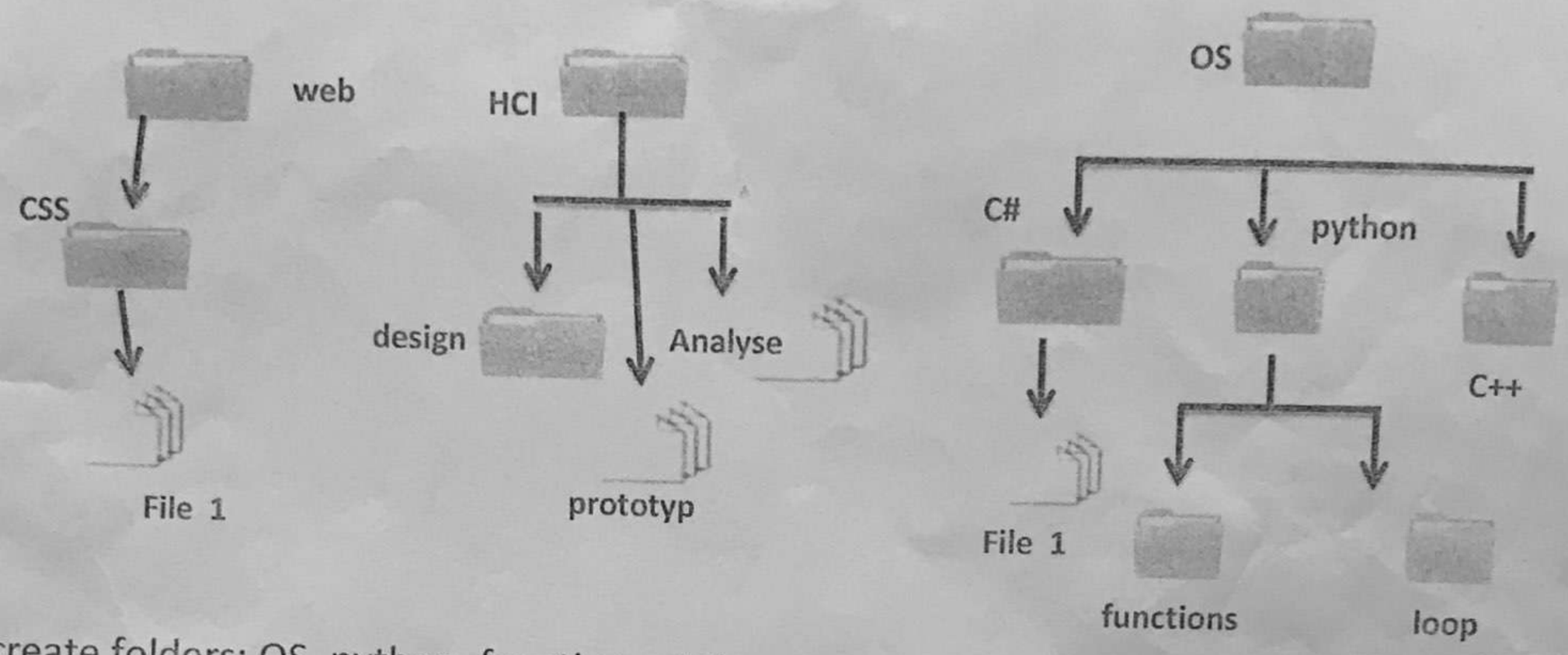
⑤ cat algo/c#/ds > os/sample

⑥ rmdir os/*

⑦ rm -rv algo/c#/*

it Q4

[A]




1- create folders: OS, python, functions at the same time

2- move the folder design to folder web with the same name.

3- remove all the contents of folder HCI.

4- display all lines of file ~~Analyse~~ file1 css from five line.

5- create file name prototype , and write to it ,then display lines by numbers from it. in web

6- copy file 1 in css to C# with ask before copy

7-append list contents of OS to ~~Analyse~~ file .

① mkdir -p OS/python/functions

② mv HCI/design web

③ rm -r HCI/*

④ more +5 web/css/file1

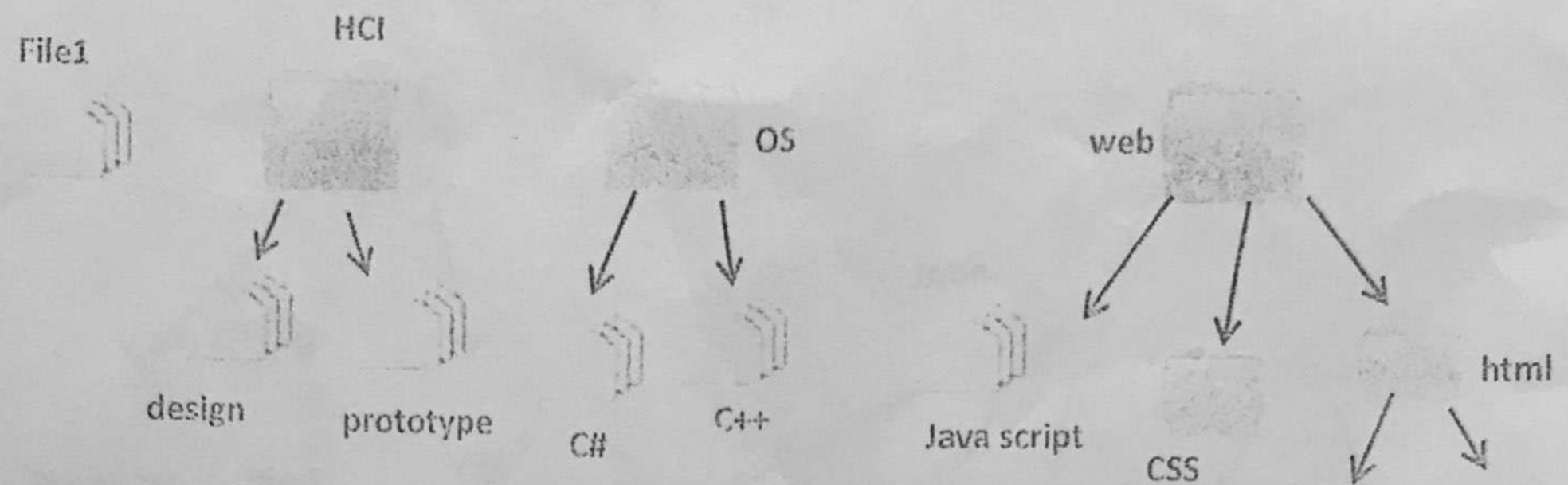
⑤ cat > web/prototype , cat -n web/prototype

⑥ cp -i ~~os/c#~~ web/css/file1 OS/C#/file1

⑦ ls os >> web/prototype

# it Ch 1

[C]




1- create files: java script, File1, table at the same time

2- move File1 to folder HCI with name analyze.

3- write to file java script, then display the lines of file by numbers

4- copy folder HCI to web with display message after copy

5- display all lines in file C# except two last lines

6- append list of contents folder web to ~~File 1~~ analyze

7- remove files C++ ,form

(1) touch web/'Java script' web/html/table file1

(2) mv file1 HCI/analyze

(3) ~~cat~~ nano web/'Java script'

(4) cp -rv HCI web

web/'Java script', cat -n web/'Java script'

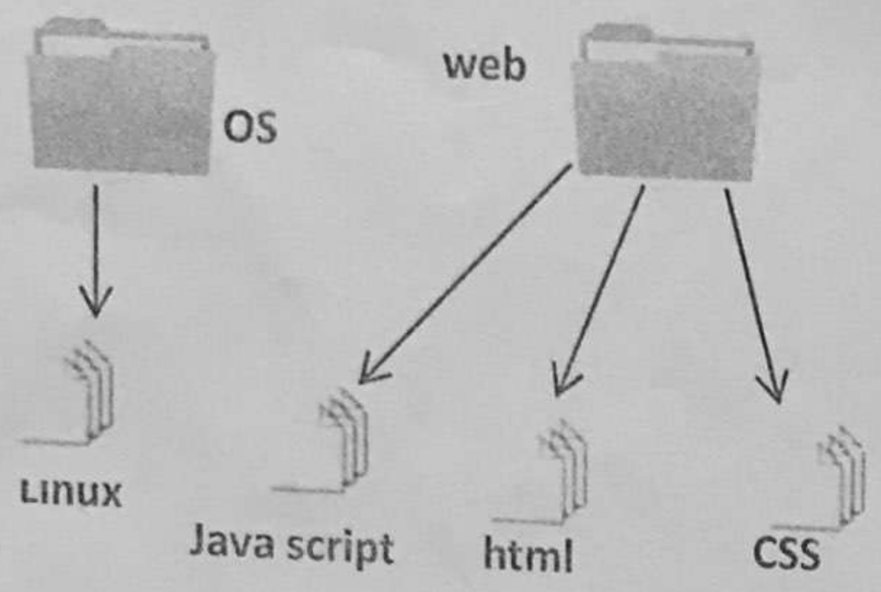
(5) head -n-2 os/c#

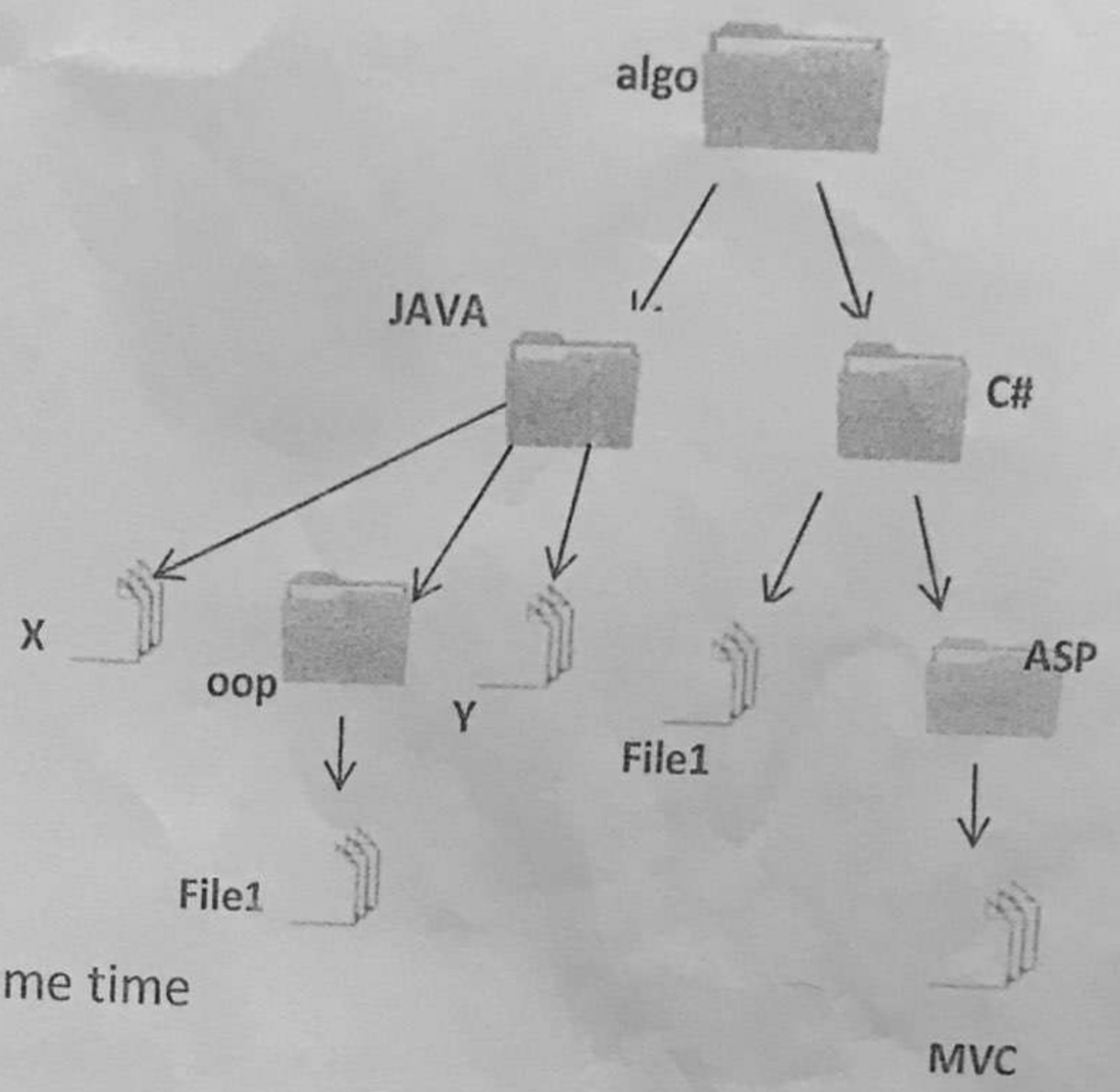
(6) ls web >> HCI/~~filter~~ analyse

(7) rm os/c# web/htm/form

it G1

[D]




1- create folders: algo , JAVA , oop at the same time

2- copy all files in folder JAVA to folder C#

3- append data to file MVC from X file

4- display lines of file file1 form line 3

5- remove the contents of folder web

6- move file1 in oop to C# with ask before move

7- change the access modification time to the current time of file Y

① mkdir -p algo/Java/oop

② cp algo/Java/* algo/c#

③ cat algo/Java/x >> algo/c#/Asp/mvc

④ more +3 algo/c#/file1

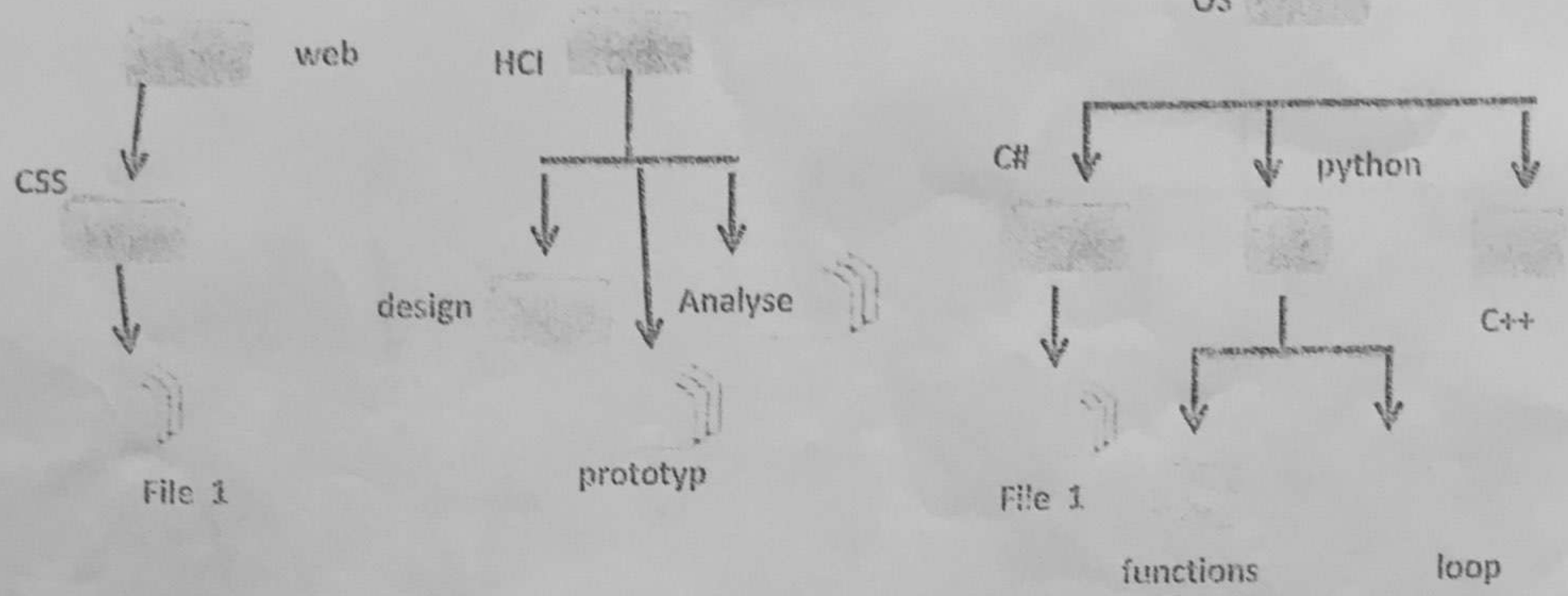
⑤ rm -r web/*

⑥ mv -i algo/Java/oop/file1 algo/c#/file1

⑦ touch algo/Java/y

itG12

[A]




1- create folders: OS, python, functions at the same time

2- move the folder design to folder web with the same name.

3- remove empty folders in python folder.

4- display all lines of file Analyse from second line.

5- create file name prototype , and write to it ,then display ten lines from it.

6- copy file 1 in css to C# with ask before copy

7- display lines of file prototype by numbers.

(1) mkdir -p os/python/function

(2) mv HCI/design web€

(3) rmdir os/python/*

(4) more +2 HCI/Analyse

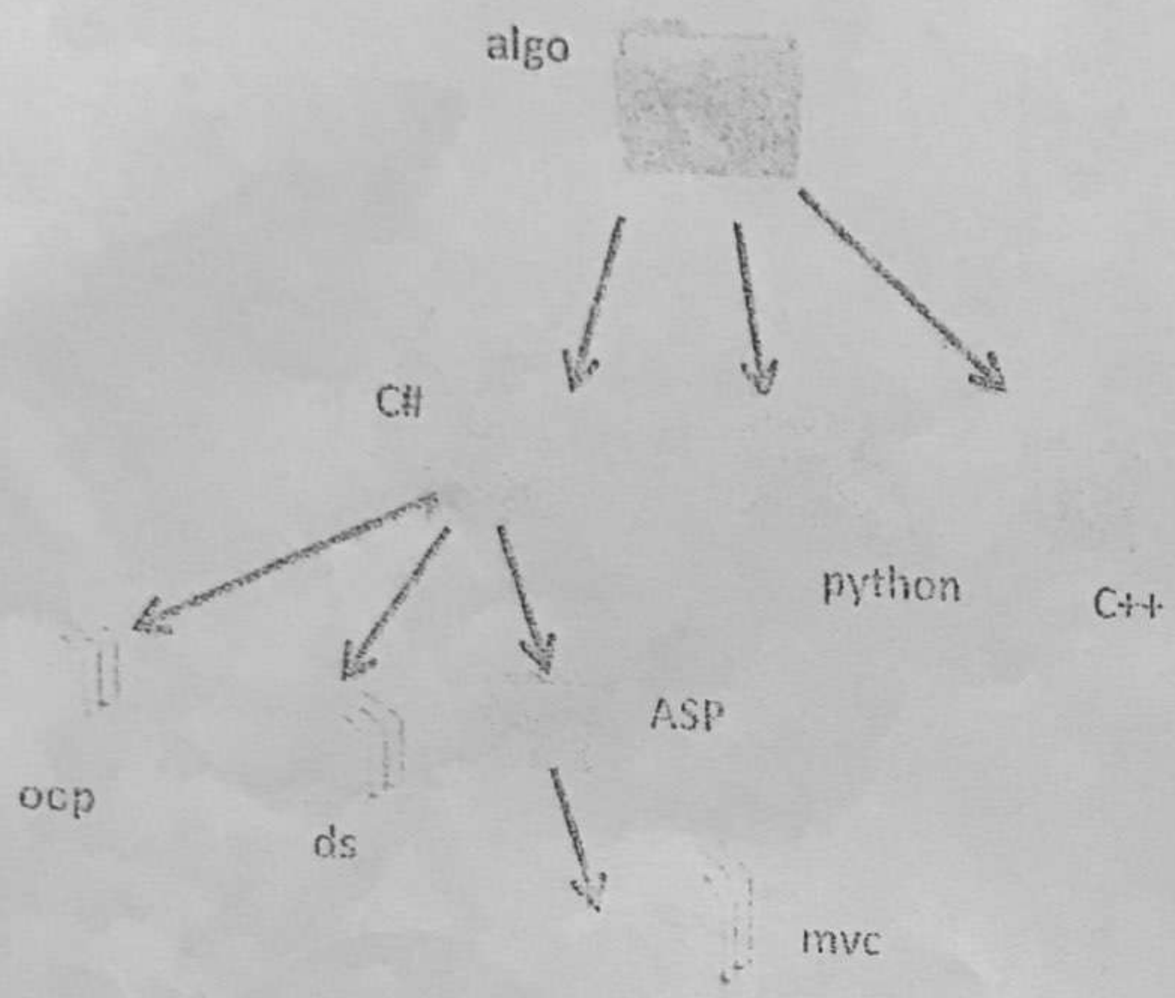
(5) cat > HCI/prototype , more -10 HCI/prototype
head HCI/prototype

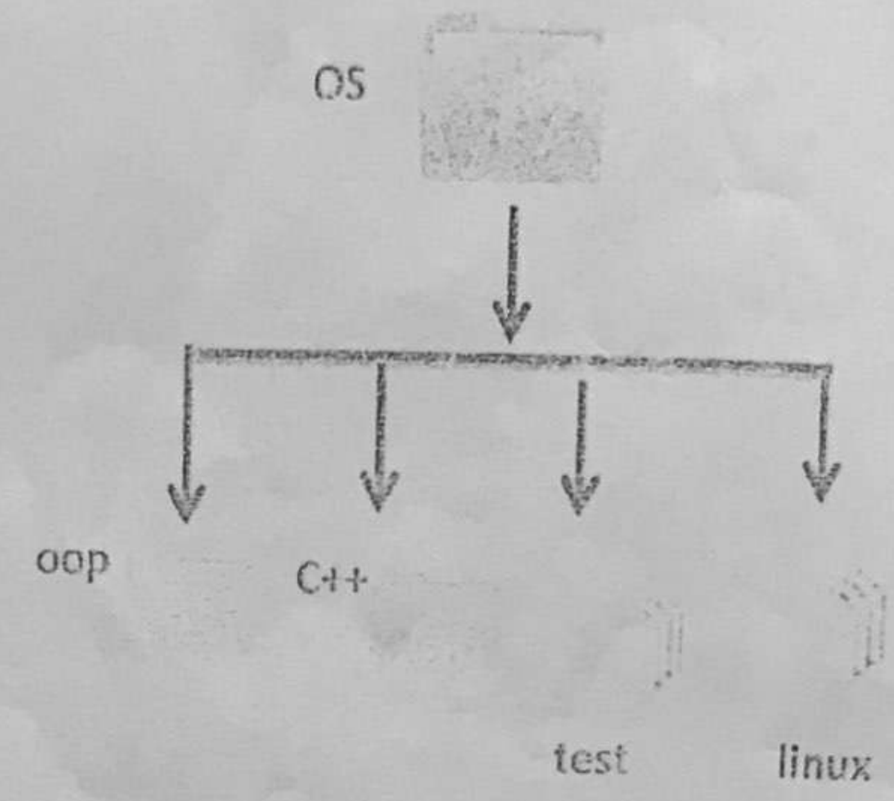
(6) cp -i web/css/file1' os/C#

(7) cat -n HCI/ prototype

it G12

[B]




1- create folders: python, C#, oop at the same time

2- rename the file test to sample

3- copy folder C++ in algo to OS with ask before copy

4- display all lines of file oop except 3 three last lines

5- replace the content of file test with file ds

6- append list of content C# to file linux

7- remove all contents of folder C# with display message after remove

① mkdir algo/python algo/c# os/oop

② mv os/test os/sample

③ cp -ir algo/c++ os

④ head -n-3 algo/c#/oop

⑤ cat algo/c#/ds > os/sample

⑥ ls algo/c# >> os/linux

⑦ rm -rv algo/c#/*

# اختبار نهائي عملي

تجميع :

نور الجفري & فاطمة عاشور

HADHRAMOUT UNIVERSITY
COLLEGE OF COMPUTERS & INFORMATION TECHNOLOGY
FINAL EXAMINATION

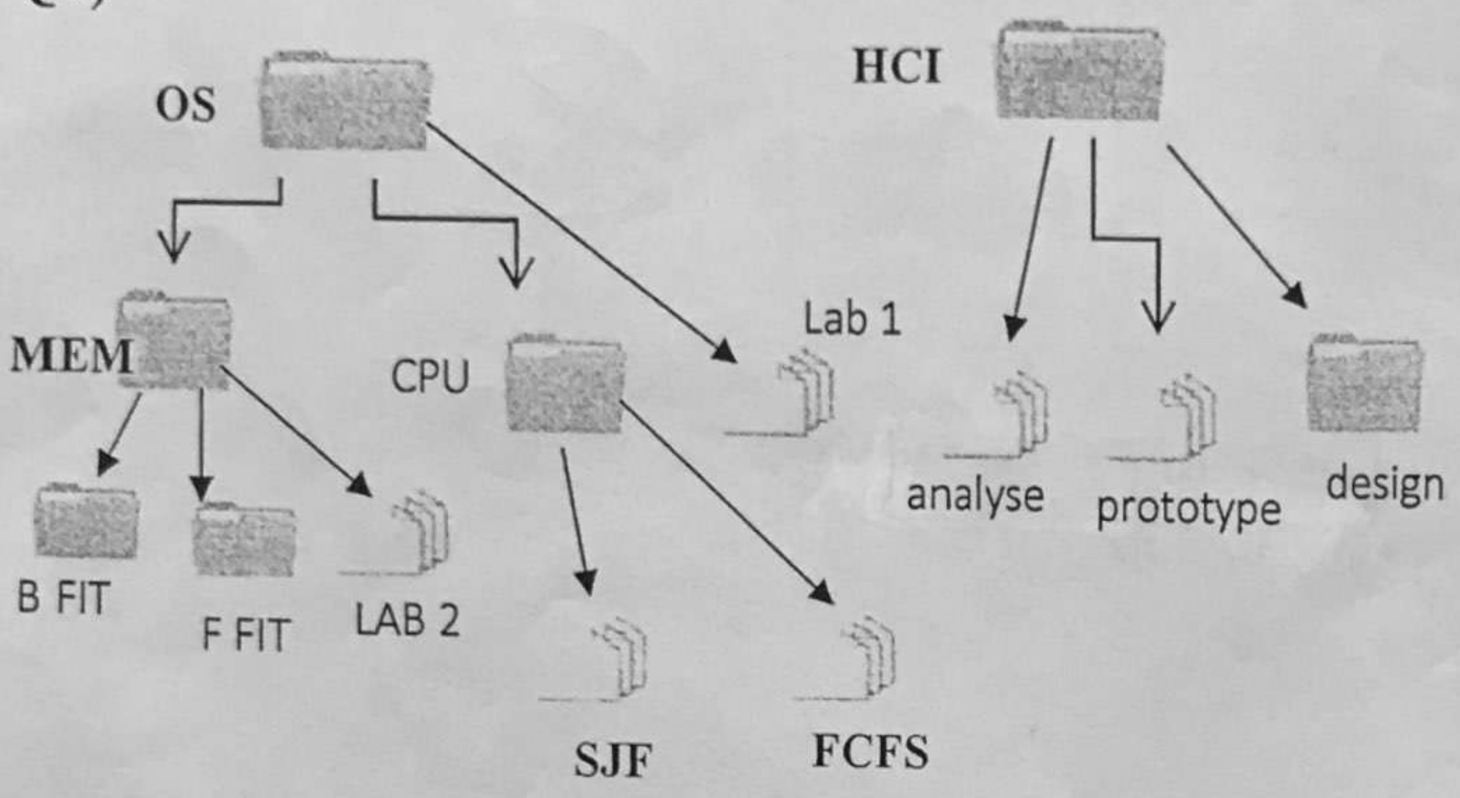
Academic year: 2021/2022
Day and Date: *9/8/2022*
Examiner: *Khadega Ali Binomar Baomar*
Time allowed: 1.30

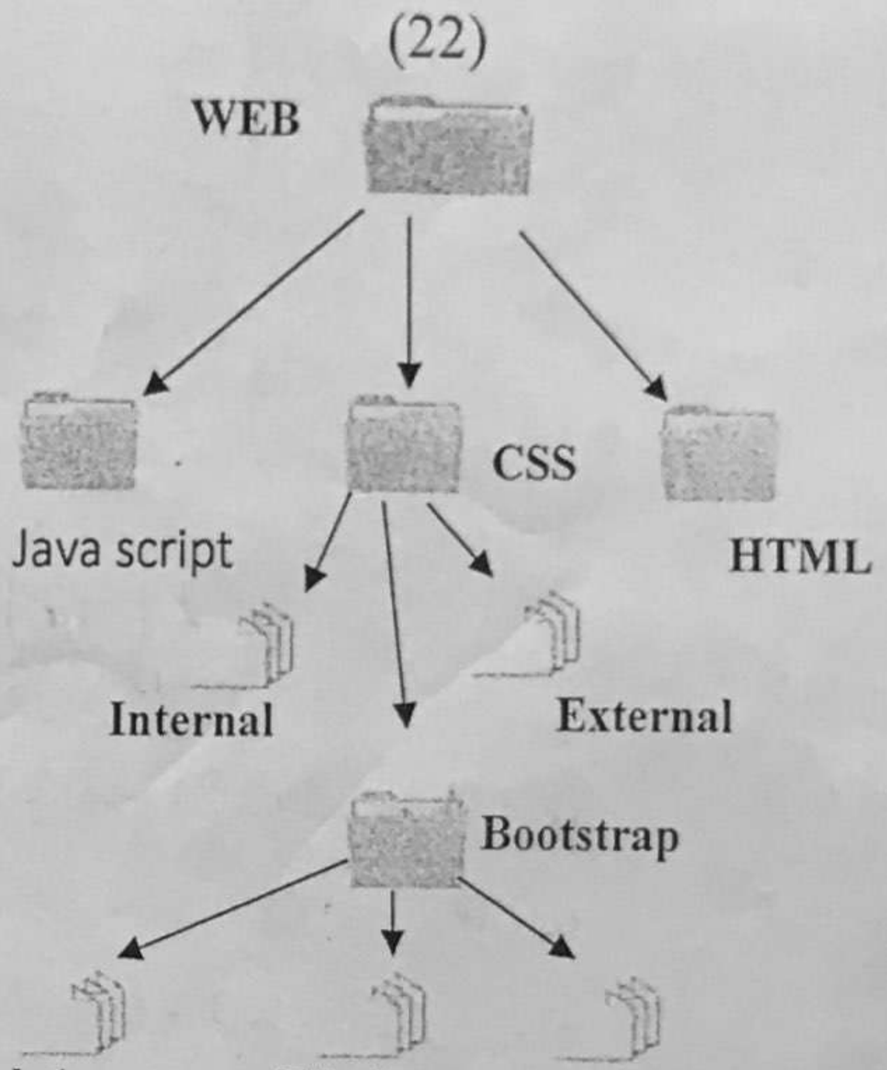
Model (C)

Exam Semester: *The Second*
Level: *LEVEL 2*
Department: IT
Subject: Operating system

Answer the following questions:

**Q1)-** (22)




1- display lines of file lab 1 in bootstrap except 3 first lines
   tail -n+3 WEB/CSS/Bootstrap/"Lab1"
2- append eight lines to files Extenal ,SJF from file lab 2
   head -n8 OS/MEM/"LAB 2" >> WEB/CSS/External "OS/CPU/SJF
3- add four months before the current month
   ~~CA~~ cal -B 4
4- create user named userA with specific group A, B
   1) - sudo -i 2) ~~su~~ groupadd A B
   3) -~# useradd -G A,B userA
5- find word 'an' in all files of HCI directory
   grep "an" HCI/*
6-remove userA from group userA
   usermod -g B userA
   gpasswd -d userA userA
7- add read and execute permission to all ,and remove write from user for file External
   chmod ugo+rx,u-w WEB/CSS/External
8- copy the content of directory MEM to CPU with display message after copy
   cp -rv OS/MEM/* OS/CPU
9- write in file File 2 more information of command rmdir
   info rmdir > WEB/CSS/Bootstrap/"File 2"
10- show list contents of CSS directory with symbols
   ls -f WEB/CSS

11- print 4 characters in each line from file analyse

cut -c-4 HCI/analyse

12 – remove all the contents of folder CSS

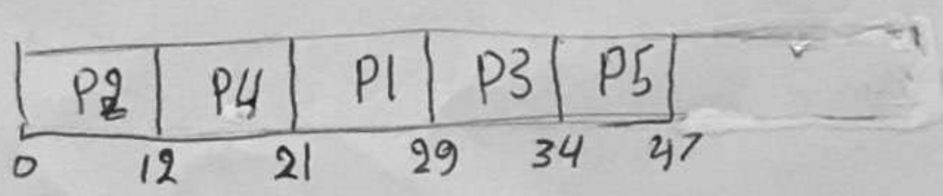
rm -r WEB/CSS/*

13- modify some data in file analyse and write how to save

Q2 Drew Gantt chart and calculate the average waiting time and turnaround time using FCFS Algorithm in given table?

| process | Arrival time | Busrt time |
|---|---|---|
| P1 | 3 | 8 |
| P2 | 0 | 12 |
| P3 | 5 | 5 |
| P4 | 2 | 9 |
| P5 | 9 | 13 |

2




w(P1) = 21 - 3 = 18

w(P2) = 0

w(P3) = 29 - 5 = 24

w(P4) = 12 - 2 = 10

w(P5) = 34 - 9 = 25

waiting ava = $\frac{18+0+24+10+25}{5} = \frac{77}{5} = 15.4$

t(P1) = 18 + 8 = 26

t(P2) = 0 + 12 = 12

t(P3) = 24 + 5 = 29

t(P4) = 10 + 9 = 19

t(P5) = 25 + 13 = 38

t.ava = $\frac{26+12+29+19+38}{5} = \frac{124}{5} = 24,8$

GOOD LUCK

HADHRAMOUT UNIVERSITY
COLLEGE OF COMPUTERS & INFORMATION TECHNOLOGY
FINAL EXAMINATION

cademic year: 2021/2022
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xaminer: *Khadega Ali Binomar Baomar*
ime allowed: 1.30

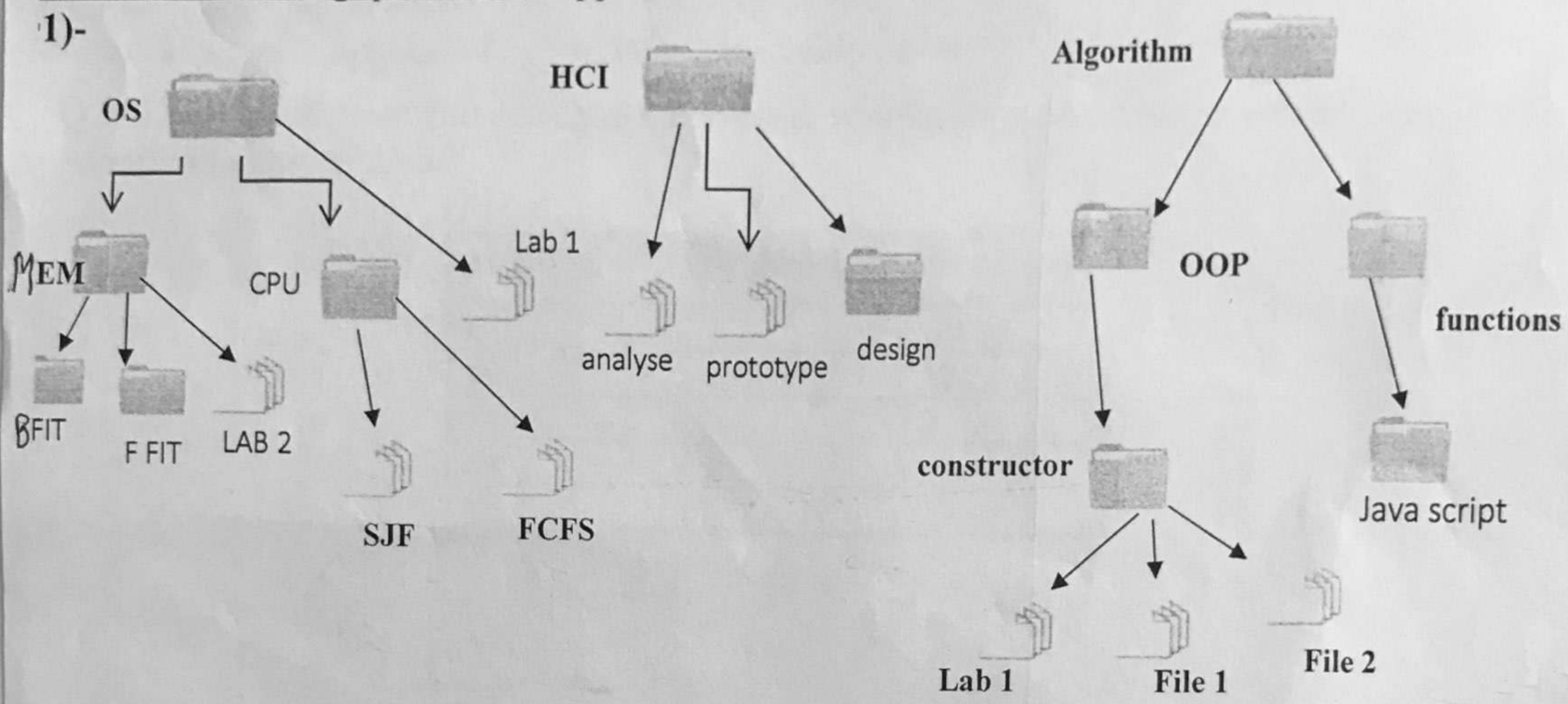
Model (D) 22.5

G 3

Exam Semester: *The Second*
Level: *LEVEL 2*
Department: IT
Subject: Operating system

nswer the following questions: suppose this folders and files are created (22)

1)-




rename folder MEM to Memory
mv OS/MEM OS/Memory
show list the contents of HCI directory according to the newest time
ls -t HCI
create user named userB with specific groups A, B, C, then remove userB from group userB
useradd -G A,B,C userB | usermod -g userB A / gpasswd -d userB userB
display five last lines of file LAB 2
tail -5 OS/Memory/lab2
save in file analyse the sort in reverse order of file FCFS
Sort -r OS/CPU/FCFS >> HCI/analyse
6) print with replace characters 'bc' in file analyse by another character '+*"
Cat HCI/analyse | tr 'bc' '+*'
7) remove empty folders functions, java script at the same command with one path with display ssage after remove
rmdir -pv Algorithm/function/Java script
find word that the end character is 'ed' in file prototype
grep 'ed$' HCI/prototype
assign read, write permission to group, and assign write, execute to both user and others by 2 methods for file prototype
Chmod 363 prototype.txt | Chmod rw=g wx=u,o HCI/prototype.txt

(3)

groupadd A, B, C

useradd -G A, B, C userB

usermod -g userB A

gPasswd -d userB userB

) – display lines of file File 1 with show instructions of using keyboard

more -d Algorithm/OOP/constructor/File1

11- display count numbers of words in all files of folder HCI

wc -w HCI/* Memory

12- move folders constructors, MEM to home with display message after move in one command mv os/Memory ~ && mv Algorithm/OOP/constructor ~ 1.5

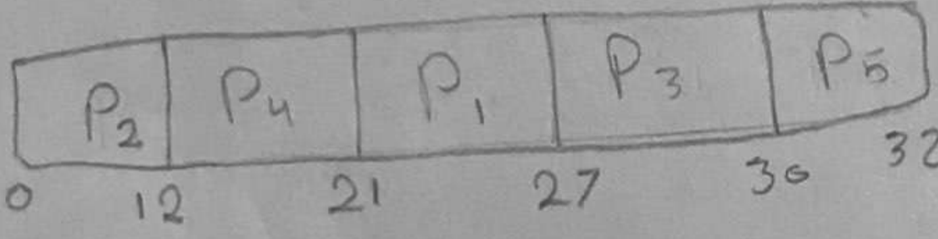
13- modify some data in file LAB 2 and write how to save it

first we write the command mkdir os/Memory to creat memory directory then we write the Command cat os/Memory/LAB2 to creat Lab file and befor close the file we write anything to saved, after we write click ctrl+d, the file will saved and close.

Q2)- Drew Gantt chart and calculate the average waiting time and turnaround time using FCFS Algorithm in given table?

| process | Arrival time | Burst time |
|---|---|---|
| P1 | 2 | 6 |
| P2 | 0 | 12 |
| P3 | 3 | 3 |
| P4 | 1 | 9 |
| P5 | 5 | 2 |

2




waiting time =

$P_1 = 21 - 2 = 19$

$P_2 = 0 - 0 = 0$

$P_3 = 27 - 3 = 24$

$P_4 = 12 - 1 = 11$

$P_5 = 30 - 5 = 25$

$av = \frac{19+0+24+11+25}{5} = 15.8$

turnaround time:

$t_1 = 19 + 6 = 25$

$t_2 = 0 + 12 = 12$

$t_3 = 24 + 3 = 27$

$t_4 = 11 + 9 = 20$

$t_5 = 25 + 2 = 27$

$av = \frac{25+12+27+20+27}{5} = 22.2$

GOOD LUCK