

Question 1.1

Start

declare array for integer

initialize students

Students = [300]

do no students after 12:00

loadArray()

for count = 0 to (ARRAY_SIZE -1) Step 1

if (student ==0)

end if (student[x] <>0)

output “Enter studentNumber”

input “studentNumber”

studentNumber [i] = “studentNumber”

input “ studentsDetails”

studentDetails = "name + surname + course + year + group"

else

output “studentNumber not found”

if (found ==studentNumber)

output “Enter students temperature”

input “Temperature”

if (Temperature >38)

output “Temperature too high”

then

output “ Any Covid symptoms?”

input Covid symptoms

return

searchArray ()

output “Enter studentNumber”

input “studentNumber”

for x = 0 to (ARRAY_SIZE -1) Step 1

if student [x] == studentNumber

output “studentDetails : = "name + surname + course + year + group”

output “student not admitted”

endif

return

Question 2

Start

declare array for integer

initialize students

Students = [300]

do no students after 12:00

loadArray()

for count = 0 to (ARRAY_SIZE -1) Step 1

if (student ==0)

end if (student[x] <>0)

output “Enter studentNumber”

input “studentNumber”

studentNumber [i] = “studentNumber”

input “ studentsDetails”

studentDetails = "name + surname + course + year + group"

else

output “studentNumber not found”

if (found ==studentNumber)

output “Enter students temperature”

input “Temperature”

if (Temperature >38)

output “Temperature too high”

then

output “ Any Covid symptoms?”

input Covid symptoms

return

searchArray ()

output “Enter studentNumber”

input “studentNumber”

for x = 0 to (ARRAY_SIZE -1) Step 1

if student [x] == studentNumeber

output “studentDetails :” student

output “studentDetails : ” studentDetails + name + surname

else

output “student not admitted”

endif

return

Question 2.1

| |
|-----------------|
| STUDENTS |
|-----------------|

| |
|---------------------------------------|
| <<CLASS VARIABLE>> |
| ~ list of students |
| << SPECIFIERS >> |
| ~Public |

| |
|--------------------------------------|
| <<CLASS METHODS>> |
| ~ Add Students |
| ~ list of students |
| ~ remove students |

| |
|-----------------------------------|
| <<ATTRIBUTES>> |
| ~ Student number |
| ~ Year |
| ~ Group |
| ~Covid symptoms |
| ~ Temperature |
| <<SPECIFIES>> |
| ~ public |

| |
|---|
| << INSTANCE METHODS >> |
| ~ name () : String |
| ~ surname () : String |
| ~ courseName () : String |
| << SPECIFIERS>> |
| ~ Private |

| |
|--------------------------------------|
| <<STUDENTS [x] >> |
| = << ATTRIBUTES>> |
| = << INSTANCE METHODS>> |
| <<SPECIFIES>> |
| private |

QUESTION 2.2

Public String Students ()

students = [300]

for count = 0 to (ARRAY_SIZE -1) Step 1

if (student ==0)

end if (student[x] <>0)

return students

private string Students (studentNumber)

return "Students" + studentNumber

private String Students (studentDetails)

studentDetails = "name + surname + course + year + group"

return "Students" + studentDetails

private String Students (Temperature)

Teperature > 38

return "Students" + Temperature

Private String Students (Covid Symptoms)

return "Students" + Covid Symptoms