Diyaa Suboh



out put device : screen

speakers

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prenter

camara

Software

refers to the programs that execute on that hardware

program is a collection of instructions for the computer to carry out in order to complete some task مجموعة من التعليمات التي يجب على الكمبيوتر تنفيذها لكمال بعض المهام e.g., word processing program, Web browser, Adobe, Photoshop

1 operating system

: is an interface between hardware and applications

it is responsible for the management and coordination ofactivities and the sharing of the limited resources of the

.مسؤولة عن إدارة وتنسيق النشطة وتقاسم الموارد المحدودة للكمبيوتر

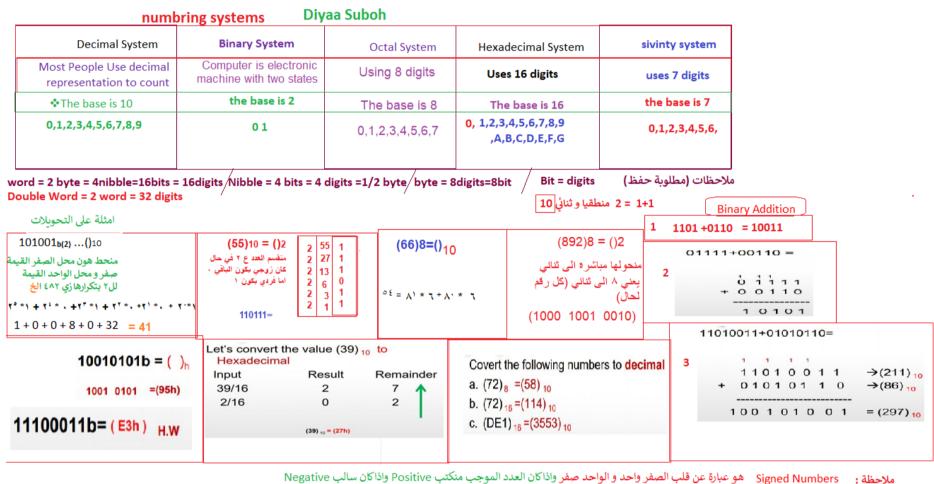
عبارة عن مجموعة من البرامج التي تتحكم في Is a collection of programs that controls how the CPU, كيفية عمل وحأدة المعالجة المركزية والذاكرة memory, and I/O devices work together وأجهزة الادخال / الاخراج معا

manages the execution of all application programs controlling how data and instructions are loaded into memory and accessed by the CPU

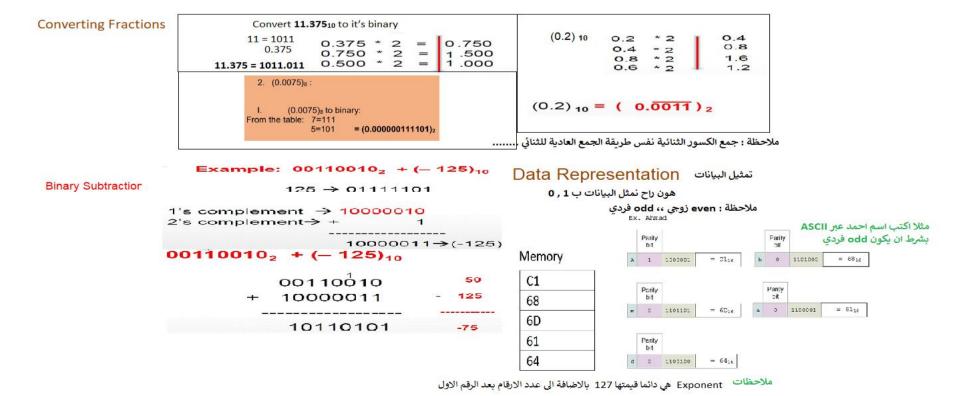
 يدير تنفيذ جميع برامج التطبيقات ، والتحكم في كيفية تحميل البيانات والتعليمات في الذاكرة memory.
 والوصول إليها بواسطة وحأدة المعالجة المركزية CPU.

operating system provides an interface for the user to interact with the computer (GUI)

يوفر نظام التشغيل واجهة للمستخدم للتفاعل مع الكمبيوتر

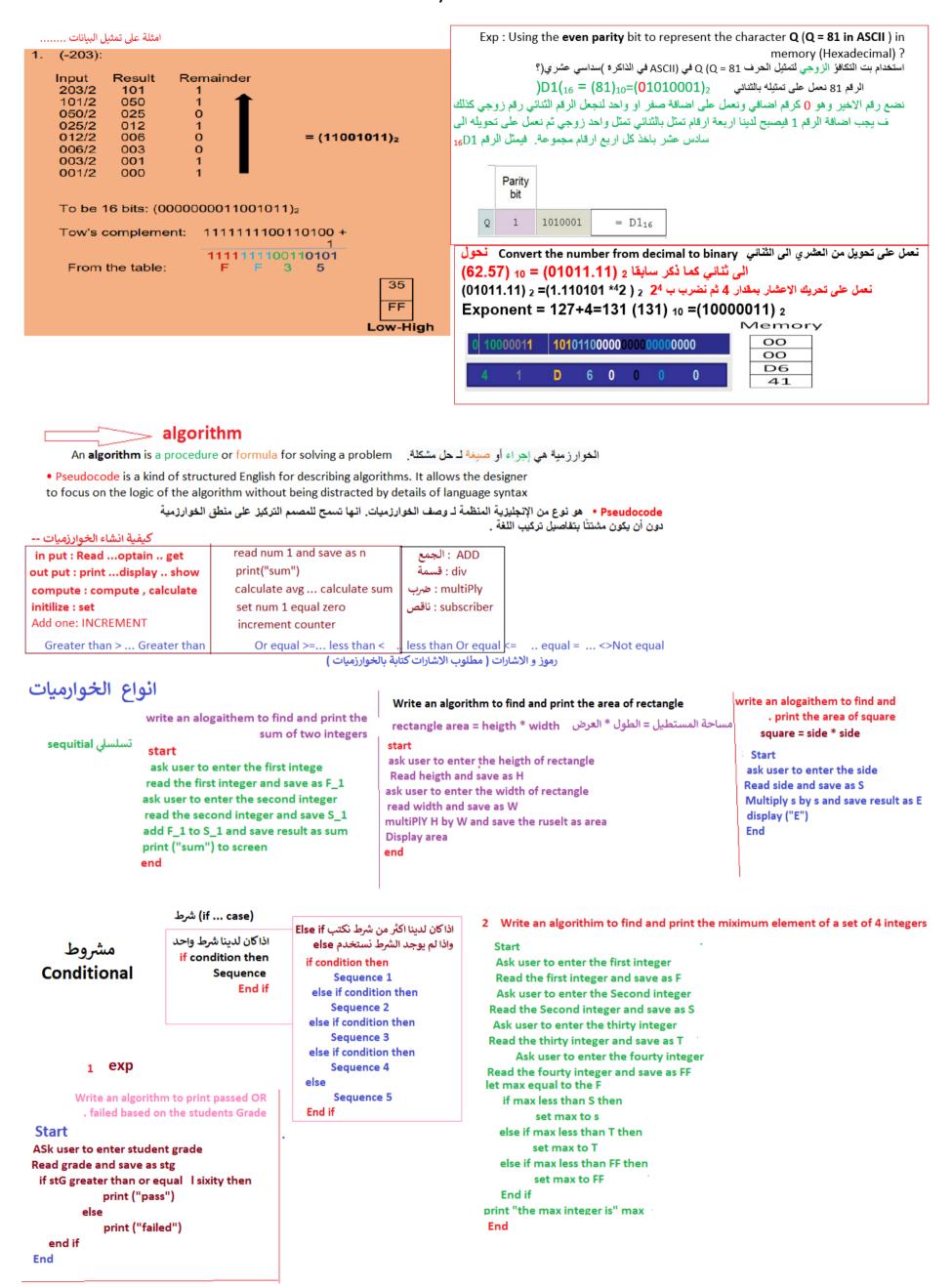


ملاحظة: Signed Numbers هو عبارة عن قلب الصفر واحد و الواحد صفر واذا كان العدد الموجب منختب Positive واذا كان سالب Negative مثلا 101 = 5 وهي عبارة عن 011010 بالسالب

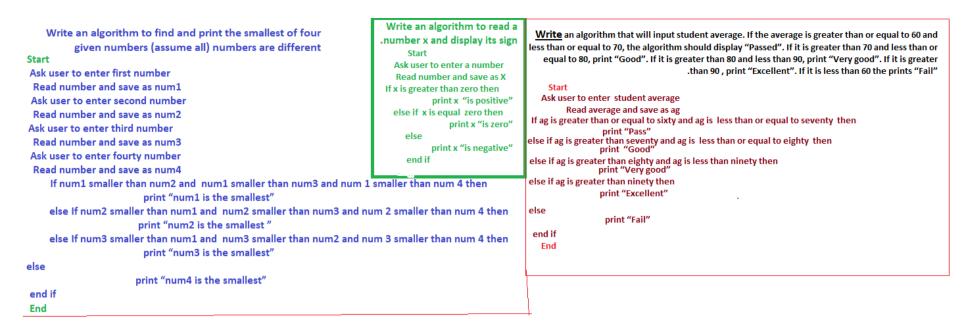


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itertive	مبيغات هوون WHILE condition sequence End while	في ثلاث م REPEAT sequence End REPEAT	FOR iteration bounds sequence End FOR	
Write an algorithm if the first number of the value x is 2 where x is greater than or equal to 6 Start Set i equal to two While i less than or equal six print I add two to I end while End		Write an algorithm to calculate the average of a set of 10 students Start Set counter to zero Set total to zero While counter is less than ten Ask user to enter grade Read grade and save as gd Add the gd into the total increment counter end while Set the average to the total divided by counter Print "the average is" average		

Write an algorithm that will count the number of student pass in a class and the amount failed. The pass mark is more than or equal to 65. Suppose the number of students are 30. The algorithm should output the amount fail and

Set counter to zero Set passCounter to zero Set failureCounter to zero While counter less than thirty

end while

End

Ask user to enter student average
Read average and save as ag
if ag greater than or equal sixty five then

increment passCounter
else
increment failureCounter
end if
increment counter

"Print "pass counter =" passCounter" and failure counter = "failureCounter

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