



English for Computer Science and Engineering

Unit 7

Desktop Printers: Lots of Choices

cash	money in the form of coins and bank notes	نقد
receipt	bill of sale	قبض رسید، رسید
memo	reminder	یادداشت
payroll	financial sheet listing salaries	لیست حقوق
emit	send out	ساعت کردن
shutter	hinged cover for a window or door	روپوش
shade	cast a shadow upon; dim	سایه رنگ
naked eye	bare eye	چشم غیر مسلح
injection	the forceful insertion of a substance under pressure	تزریق

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chamber	room	اتاق
squirt	shoot out	فواره زدن
droplet	small drop	قطره کوچک
enclosure	confinement, closure of area	محفظه
expose	reveal, uncover	بی حفاظ نمودن
drum	a bulging cylindrical shape	غلطک
affect	influence	متاثر کردن
toner	ink used by laser printers	جوهر
fuse	combine by melting together	امیختن

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resolution	image precision	وضوح تصویر
emerge	appear, come out	پدیدار شدن
budget-minded	minding budget	اقتصادی
routinely	usually	معمولی
generate	create, produce	تولید کردن
precision	exactness, accuracy	دقت
plotter	a type of printer	رسم کننده
tiny	very small	ظریف
pin	small needle	پایه سنجاقی

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accommodate	host guests; provide lodging	،منزل دادن وفق دادن
facsimile	material sent via a fax machine	نما برد
sophisticated	complicated	پیچیده
aura	something which emanates from a person	تجلی
demand	claim, requirement	تقاضا
transparency	being clear	شفافیت
acetate	sheet of clear plastic film	استات

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capture	entrap	ضبط کردن
fade	become dim	محو شدن
panel	flat piece of wood	صفحه
reproduction	duplication	تکثیر کردن
synthesis	formation of a compound through	ترکیب کردن ، ساختن
convert	transform, change	تبدیل نمودن
flexibility	ability to bend or be bent	انعطاف پذیری
raw	unprocessed	خام

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environment	surroundings	محیط
resemble	be similar to	تداعی نمودن، شباهت داشتن
phoneme	syllable; sound	صوت ، اوا

Computers: The Enabling Technology for the Disabled

profound	serious, deep	عمیق
stun	shock; astonish	حیرت زده کردن
paraplegic	paralyzed	دچار فلج ناقص
podium	platform, stage	جایگاه مخصوص
rehabilitative	designed to restore good health	بازتوان کننده
stimulation	motivation	انگیزش
intensity	strength	زیادی، شدت
muscle	contracting body tissue	ماهیچه
portable	mobile	قابل حمل

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coordinate	arrange in proper order	هماهنگ کردن
gait	way of walking	گام برداشتن
stage	raised platform	صحنه
cardiac	of the heart	قلبی
pacemaker	heartbeat regulator	دستگاه تنظیم کننده ضربان قلب
attach	annex; add	اتصال
chronic	lasting (as of an illness); constant	مزمن
deformity	abnormality	بدشکلی
auditory	related to hearing	شنیداری

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spinal	referring to the backbone	نخاعی
therapeutic	pertaining to the treatment of a disease	درمانی
paralysis	palsy	فلج
atrophy	degeneration of a body part	تحلیل رفتن
circulation	movement of blood within the body	گردش خون
sluggish	slow, inactive	تنبل
cardiovascular	pertaining to the heart and blood vessels	عروقی
sore	inflammation, wound	جراحت
pedal	lever that is used to operate a device	پدال

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crank	rotate; turn a lever	هندل زدن
seek	search for	جستجو نمودن
in the meantime	meanwhile	در ضمن
thrill	excite	بهیجان آوردن

Language focus G

Listing

It is important when reading to recognize and understand the relationship in which sentences and groups of sentences combine to present information. This information may be linked by means of a connective word or marker.

Making a list, for example when enumerating, and giving instructions, indicates a cataloguing of what is being said. It is important to note that most enumerations belong to clearly defined sets. The following table is a list of the markers that can be used to show the order in which things are to be said.

1, 2, 3, etc.	
one, two, three, etc.	
first(ly), second(ly), third place	
another, next, then	
furthermore, afterwards, moreover	
lastly/finally	
to begin/start with, and to conclude	
first and foremost	} mark the beginning of a descending order
first and most important(ly)	
above all	} mark the end of an ascending order
last but not least	

There are many ways of showing sequential relationships. Those given in the table above are not the only ones, they are the most common ones used in listing or enumerating. The *-ly* forms are usually used when listing.

Sample paragraphs:

More and more police departments are now using sophisticated devices to help control the increasing crime rate. Some of these devices are: *firstly*, a computer terminal inside a police vehicle to answer an officer's questions, *secondly*, a computer-controlled display unit for displaying fingerprints, and *thirdly*, educational systems for police officers such as terminals, enabling them to verify changes in laws, rules, and regulations.

The computer memory of many law enforcement systems contains all kinds of information. *First and foremost*, it has data on stolen items such as cars, licence plates, and property. *Second*, it has information on missing persons and wanted fugitives. *Last but not least*, it contains information on political extremist groups and their activities.

Computers have certainly revolutionized police work by providing access to millions of items of information with the least possible delay and speeding up the process of apprehending suspicious-looking characters.

Exercise 1

Complete the following paragraph about the various steps in the creation of a database by filling in the blanks with appropriate listing markers.

When you are creating a new database, you must ¹_____ decide how many fields you will need in your database. ²_____, you will have to provide up to five items of information about each field. ³_____, each field needs to have a name. ⁴_____, the field type has to be defined. Character, numeric, date, and logical are some common types. ⁵_____ choice to be made is the width of the field. However, some fields, such as date, have present default values. The ⁶_____ step is to set the number of decimal places if the field is numeric. ⁷_____, you will have to indicate whether the field is to be indexed or not.

Exercise 2

Complete the following paragraph by filling in the blanks with appropriate listing markers.

Computers can do wonders, but they can waste a lot of money unless careful consideration goes into buying them. Businessmen and women thinking of buying a computer system should ¹_____ admit they know very little about computers. ²_____, they must realize that the computer sales people don't always know how their business works.

³_____, it is essential that buyers should get outside advice, not necessarily from consultants but from other executives who have had recent experience in buying a computer system. ⁴_____ they should try to see systems similar to ones under consideration in operation. Because their operations will have differences that must be accommodated, they should ⁵_____ find out what would be involved in upgrading a system.

⁶_____ important thing to know before buying a computer is the financial situation of the supplier because computer companies come and go and not all are financially stable. ⁷_____, the prospective buyer should demand that every detail be covered in writing, including hardware and software if they are supplied by different companies. There's nothing wrong with computers themselves, it's how and why they are used that can cause problems.