

### Activities for revision

Activity 01: underline the verbs, circle the adjectives and put the adverb between brackets

1. Technology provided increased connectivity, which made individuals spend less time privately.
2. Cybersecurity is continually challenged by hackers, data loss, privacy, risk management and changing cybersecurity strategies.
3. Malware attacks are increasingly “fileless” and designed to get around familiar detection methods, such as antivirus tools.
4. Java is a general-purpose, object-oriented, high-level programming language with several features that make it ideally used for web-based development.
5. Artificial intelligence (AI) allows machines to learn from experience, adjust to new inputs and perform human-like tasks.

Activity 02: put the words in the right order to make a meaningful sentence

1. in /dozens / programming /There/ of/ are/ today/ languages/ used/ industry  
.....
2. IT/ have/ problem-solving/ managers/ skills/ and/ analytical/ strong  
.....
3. Providing/ into/ tricks/ is a form/ personal/ information/ of social/ that/ engineering/ their own/ users/ Phishing/  
or sensitive  
.....
4. Online/ find/ buyers/ each/ eBay/ enables/ with/ to/ platform/ that/ is/ other/ and sellers/ and trade/ a classic  
.....

Activity 03: circle the correct answer (it’s either an adjective or an adverb)

1. Cyber security is the practice of protecting (**critical/ critically**) systems and (**sensitively/ sensitive**) information from digital attacks
2. Programming languages allow computers to (**quickly and efficiently/quick and efficient**) process large and complex swaths of information
3. Using artificial intelligence (AI) and machine learning in areas with (**extensively/ extensive**) data streams can help improve cyber security
4. IT engineers may have to travel (**frequent/frequently**) to the workplaces of the clients to diagnose, maintain or troubleshoot problems
5. Automation has become an (**integral/ integrally**) component to keep companies protected from the growing number and sophistication of cyber threats.
6. Python lets you work (**quick/ quickly**) to integrate systems as a scripting or glue language.

Activity 04: write the passive form of each sentence

1. Bell Labs developed The C Language specifically for implementing the UNIX system, in 1972.  
.....
2. Engineers use The C++ language to create computer programs and packaged software.  
.....

3. Operators, system integrators, and particularly control system engineers interact with HMIs as part of their job.  
.....
4. System engineers have used HMIs to optimize an industrial process via digitizing and centralizing data for a viewer.  
.....
5. The millennial generation will use their phones to do everything from buying and selling to sharing their experiences with their friends and finding local businesses  
.....
6. Experts had expected software developers' job opportunities to grow 24 percent in the next three years, according to the US Labor of Statistics (BLS).  
.....

Activity 05: underline the Main clause and put the subordinate one in brackets

1. IT engineers need to have excellent communication skills, as they have to coordinate with team members and interact with clients.
2. Cybercriminals target customers' personal information like names, addresses, national identification numbers and credit card information, so they can sell them in underground digital marketplaces.
3. Data science uses techniques and theories which are drawn from many fields within the context of mathematics, statistics, computer science, information science, and domain knowledge
4. IT engineers work to develop, test, install, configure, troubleshoot, and upgrade computer hardware and software.

Activity 06: circle the conjunction in each sentence and use a similar one to replace it

1. While Hollywood movies and science fiction novels depict AI as human-like robots that take over the world, the current evolution of AI technologies isn't that scary
2. Instead of automating manual tasks, AI performs frequent, high-volume, computerized tasks, and it does that reliably and without fatigue.
3. AI adapts through progressive learning algorithms to let the data do the programming, so AI finds structure and regularities in data so that algorithms can acquire skills
4. As an algorithm can teach itself to play chess, it can teach itself what product to recommend next online. Furthermore, the models adapt when given new data.
5. Since the role of the data is now more important than ever, it can create a competitive advantage
6. HMIs are similar in some ways to Graphical User Interfaces (GUI), but they are not synonymous; GUIs are often leveraged within HMIs for visualization capabilities.
7. Technology enables us to automate numerous processes which thereby increases our productivity. This is possible because it enables us to use fewer resources; therefore, enabling us to improve on quality at a low cost

Activity 07: write the type of each sentence (simple sentence, compound sentence, complex sentence and compound complex sentence)

1. Companies focus on customer loyalty via customization, which relies on extensive data gathering, and capitalizes on both employee attitudes and IT capabilities.
2. HTML is the standard markup language used to create web pages; it ensures proper formatting of text and images (using tags), so that Internet browsers can display them in the ways they were intended to look.
3. Analytics services are expanding by the day, also they are allowing businesses to segment their prospects into more and more specific groups; therefore, they are making it much easier to target them and get more value for their advertising money.
4. Early AI research in the 1950s explored topics like problem solving and symbolic methods.

5. Organizations with a comprehensive cyber security strategy, which are governed by best practices and automated using advanced analytics, artificial intelligence (AI) and machine learning, can fight cyber threats more effectively; moreover, they can reduce the lifecycle and impact of breaches when they occur.
6. AI Personal health care assistants can act as life coaches, reminding you to take your pills, exercise or eat healthier.

Activity 09:

A/ write a topic sentence based on each topic given

All petrol cars should be replaced with electric cars. Agree or disagree?

.....

Technology is making many jobs obsolete. Agree or disagree?

.....

Social media companies know too much about us. Agree or disagree?

.....

Does technology make people lazy?

.....

B/ choose one topic of the previous activity and write at least three supporting sentences about it.

(DON'T FORGET TO USE CONJUNCTIONS)

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C/ write a concluding sentence for the topic that you chose.

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