

Quesito 1 - Ambito: Manutenzione applicativa ITC, linguaggi di programmazione, WEB, database

1. Prima di intraprendere lo sviluppo di un nuovo applicativo (anche di piccola entità) quali elementi (tecnici e organizzativi) vanno valutati?
2. Sa che cosa è un sistema "Legacy"? Perché un sistema obsoleto potrebbe non essere sostituito?
3. Organizzare i dati: chiavi dei dati, attributi, relazioni e normalizzazione
4. Quali sono le principali differenze tra un database relazionale e un database non relazionale?
5. Qual è la differenza tra servizi IaaS, PaaS e SaaS?
6. Cosa si intende per algoritmo? A cosa serve e come può essere rappresentato?
7. Cosa è il diagramma di flusso (flow-chart)? Quando si utilizza, a che esigenze risponde?
8. Le applicazioni utilizzabili su dispositivi mobile: APP e Web design application per mobile. Quale differenza? Quali vantaggi?
9. Cosa sono i "file batch" e a cosa servono?
10. Che cosa è Microsoft Access? Quali i punti di forza? Quali i limiti?
11. Il concetto di interoperabilità: è solo una questione tecnica o anche una questione concettuale?
12. Perché è importante che le immagini abbiano un testo alternativo?
13. Cosa sono i Temi di Wordpress?
14. Cosa sono i Plugin in Wordpress?

Handwritten signatures in black and blue ink, including a large black signature and several smaller blue ones.

15. Punti di forza e punti di debolezza di Drupal e WordPress a confronto


16. Cos'è una comunità di sviluppo, perché sono importanti?

17. Ci parli del formato pdf, dei suoi limiti e delle sue potenzialità

18. Come usa google analytics per monitorare un sito web?

1. Come viene definito l'insieme di tutti i componenti passivi necessari alla realizzazione di una rete informatica?
2. Cosa è un telefono IP e quali vantaggi ha la telefonia IP?
3. Quali sono le differenze tra Switch router e firewall?
4. Come viene definito il codice numerico che identifica univocamente un device all'interno della rete?
5. Cosa è il DNS (Domain Name System)?
6. Quali tipi di rete informatica conosci?
7. Cosa è un router LTE?
8. Quale è la topologia standard di una rete aziendale e da quali elementi è composta?
9. Nel campo della videosorveglianza cosa è la funzione Motion Detection e quali sono i suoi vantaggi?
10. In una rete TCP/IP il DHCP cosa è?



11. Come organizzare un ufficio di Help Desk di assistenza Hardware e Software in un contesto aziendale di grandi dimensioni; ~~30. Quali sono i principali protocolli e metodi di trasferimento file?~~ 

12. Quali Database Relazionali conosci?

13. Cos'è e quali problematiche presenta un Ransomware?

14. Cosa intendiamo per regola 3-2-1 delle procedure di Backup e con l'avvento del Cloud si è modificata secondo te?

15. Perché è consigliabile posizionare una copia di Backup Off-site?

16. Cosa si intende per Multi Factor Authentication (MFA)?

17. Se devi configurare una stampante di rete su un pc di quali informazioni hai bisogno?

18. Cosa è una Virtual Machine?

Quesito 3 – Lingua Inglese

1. NordLocker allows you to sync all those files in the cloud between all your devices, and using the app is an absolute breeze – just drag-and-drop your files in, and they're automatically encrypted and uploaded. File sharing with others can be achieved, but they must also have signed up for a NordLocker account and be using the app.
2. As you might expect, security is super-tight, with NordLocker using Argon2, AES256, and ECC encryption protocols, with a 'zero knowledge' policy in place, meaning that your files can only be decrypted by yourself (and not the company, even if it wanted to). NordLocker may not deliver enough in the way of features for experts or more demanding users, but it's a solid basic service, highly user-friendly, and if that's what you need, it's a robust value proposition.
3. Like Google Drive's appeal to Google users, **OneDrive** will be a good fit for anyone who is committed to using Microsoft's services, offering neat integration with Outlook.com, the company's popular email platform, for instance. OneDrive also ties in nicely with Windows 10 and there is a selection of reasonable mobile apps to facilitate access on the move.
4. OneDrive is also integrated with non-Microsoft services like design behemoth AutoCAD. It's possible to share files with other people even if they aren't OneDrive users (complete with customizable permissions), and the ability to edit files online without downloading them is a welcome touch.
5. Like Google Drive's appeal to Google users, **OneDrive** will be a good fit for anyone who is committed to using Microsoft's services, offering neat integration with Outlook.com. Coming from Microsoft – a company with plenty of money to throw at the cloud – it's a little disappointing to find that OneDrive doesn't include more space free of charge. Free users get a mere 5GB of storage, although it's relatively inexpensive to increase this to 100GB.
6. If you have Microsoft 365 (formerly known as Office 365) either through your work, educational institution or private purchase, you'll automatically get 1TB of space per user for free with an option to boost it up. Just bear in mind that this is secure cloud storage at its simplest with barely any advanced features here. The Pro version has a dark mode and tighter integration with Microsoft Teams.
7. **Google Drive** is a natural choice for owners of Android devices as it's already integrated, but users of other platforms may appreciate the generous free storage too. You can also store unlimited high definition photos on your mobile phone with companion app Google Photos, and make use of Google's own office suite (now known as G Workspace).
8. Also, individuals upgrading to paid Google Drive plans will join Google One. The array of features delivered by Google Drive via One - which ties into Google's Cloud platform - is bewildering and evolves continuously. At the time of writing, Google engineers were rolling out the ability to request approvals for Drive items and lock approved versions.
9. The 2TB tier - which offers 10% back in Google Store credits - allows the main account holder to invite up to five other additional members and costs \$99.99 per year. Downsides include the fact that the web interface isn't very easy-to-use, although Windows and Mac users can download a desktop app to drag-and-drop files easily. Drive also integrates Google's powerful AI and search technology, probably one of the best in the world.
10. Believe it or not, the concept of cloud storage has been around for a long, long time. Amazon popularized the concept with its S3 (Simple Storage Service) launched in 2006 but the ability to upload and save files remotely on a service provider's disk drive can be traced back to 1983's CompuServe offer. At the end of the day, you are simply using someone else's resources to store your information.
11. That resource is usually located in a server housed in a data center (but not always) alongside potentially hundreds of others. The process is done over the internet over a secure connection via a dedicated app or via a web browser. Almost everyone who has a smartphone or an email address has a cloud storage account of some sort.

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12. **Google Drive** is a natural choice for owners of Android devices. That resource is usually located in a server housed in a data center (but not always) alongside potentially hundreds of others. One might even consider Facebook to offer a limited version of cloud storage to its members as videos and photos can be uploaded free of charge to its servers.
13. What's happening in cloud storage in 2021? There's something fishy happening in the cloud at the moment when it comes to storage. Remember this: Google has said it will cut back on its previously unlimited Google Photos, and it has also confirmed that it will start deleting files in Google Drive after only 30 days, plus only recently it has stated that it will erase dormant Google accounts in the near future.
14. The common thread of these three announcements is secure cloud storage and given that there's probably more than three billion Android accounts, each with at least 15GB of data, that is an awful lot of bits and bytes. In February 2021, research company Trendfocus disclosed that the number of hard disk drives being shipped was free falling with year-on-year shipments seeing an 18% drop, most notably in the consumer market.
15. **pCloud** comes with a 30-day trash history and unlimited remote upload traffic (you only need the URL of the file); you are - as expected - limited on the download link traffic. There's also a family option that allows you to share your space with up to four other family members and a superior option - pCloud Business - that offers 1TB per user with pCloud Crypto included.
16. **IceDrive** may only have been in the cloud storage business for a couple of years, but the firm offers a compelling solution, and one that's rather different to the traditional cloud locker. The key difference is that IceDrive's online storage can be presented as a standard drive on your (Windows) system, just like your hard drive, with the idea being that it makes this storage easier and more intuitive to use.
17. It's just the same as accessing a local drive, and you can use functions like opening or editing files with close to the same speed you'd get with a local operation – as we observed in our review, there's almost no slowdown evident. That's a Windows-only feature, although there is a nifty app for other platforms – Windows, Mac or Linux, and a web app for that matter – with a streamlined and well thought out interface.
18. Dreamhost offers standalone email hosting among the range of different packages that this established web hosting services provider offers. Dreamhost's email hosting offers 25GB of storage by default, with the ability to sync emails between desktop and mobile devices. Additionally, there's an ad-free webmail software platform included. Another key feature is a smart anti-spam filter, which ensures the filtering of spam messages, but also viruses, malware, and phishing attacks