**MSSV: HE151461 - Trần Ngọc Anh**

**Q1: Difference between FAT and NTFS File System?**

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| **Difference** | ****NTFS**** | **FAT** |
| Acronym | The term NTFS stands for ‘New Technology File System’. | The term FAT is an acronym for ‘File Allocation Table’. |
| Security | It provides complete security to files and folders in the system. | There is no security of files and folders in the system. |
| Activity Log | In case of any failure, the files and folders can be easily restored. | In case of any failure, the files and folders are not recovered or restored. |
| File Compression | It supports flexible per file compression. | No such compression is supported. |
| File Size | It can be 4GB to 64 GB | It is 4GB Max |
| OS Compatibility | It only allows accessing on the recognized platforms, on a running computer. | It allows the accessing of files when the computer running on other or different platforms. |
| Data sharing | It does not allow sharing data between the operating systems. | It allows sharing data between the operating systems. |

**Q2: Search a CVE about Windows 10 and fill the table.**

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| CVE\_ID | CVE-2020-16968 |
| Description | A remote code execution vulnerability exists when the Windows Camera Codec Pack improperly handles objects in memory, aka 'Windows Camera Codec Pack Remote Code Execution Vulnerability'. |
| Link | https://www.cvedetails.com/cve/CVE-2020-16968/ |
| CVSS | 9.3/10 |
| Metasploit Modules Related (Optional) |  |

**Q3: What command can be used to view NetBIOS information?**

nbtstat -n

**Q4: What is Embedded Operating Systems?**

An embedded operating system is a computer operating system designed for use in embedded computer systems. These operating systems are designed to be small, resource-efficient, dependable, and reduce many features that aren't required by specialized applications.

**Q5: What is Stuxnet?**

Stuxnet is a malicious computer worm that became infamous in its use to attack Iranian nuclear facilities:

+ That attack made global news headlines in 2010 when it was first discovered.

+ Very sophisticated attack, using four 0-day exploits.

+ Infected thousands of Iranian systems.

+ Iran may have executed nuclear staff over this.