

NIELIT Gorakhpur

Course Name: O Level (2nd Sem)

Topic: Compression Utilities

Subject: ICT

Date: 21-04-20

Chapter 2nd [Utilities]

Data Compression Utilities:- A compression program or compression utility is a software program that can compress and decompress various file types. Most operating systems include tools for compressing and uncompressing files. For example, latest versions of Microsoft Windows include a compression utility for creating and extracting .zip files. Other compressed files, like .7z and .rar, require a third-party compression utility to be installed, such as the ones listed below.

- ✓ PKZIP
- ✓ WinZip
- ✓ WinRAR
- ✓ Secure Zip
- ✓ 7-Zip

PKZIP:-PKZIP is a program, originally written for the DOS operating system, that gathers multiple files into a single compressed file that can be stored in less space and transmitted more quickly from one place to another. A companion program, PKUNZIP, uncompresses and restores the original files when they are needed. The compressed file archive is known as a zip file and conventionally has a .zip file name suffix. The "PK" derives from the name of the program's inventor, Phillip W. Katz. Katz is said to have developed the idea in 1986. IBM OS/400 platform where it can be unzipped using PKUNZIP UNIX.

WinZip:- It is the most popular compression utilities for windows. It is powerful and easy to use tool that zips and unzips files quickly to concern disk space and quickly reduce email transmission time. WinZip 24 is the latest version. We can compress JPEG files by 20-25% without losing photo quality. WinZip integrate with windows seamlessly, opens RAR and other file types and offers Advanced Encryption Standard (AES) to keep files secure.

Winrar:- WinRar is a very handy utility for accessing files stored in the popular compressed Rar format. Rar is a compression protocol that takes large files compresses' them by storing duplicated data in the file more efficiently thereby taking up less space. Very similar in many ways to the popular Zip format. Rar files are not handled natively by Windows whereas Zip files are. Hence a program like Winrar is necessary to access and manage rar files.

Exercise:-

1. What is the concept behind compressing files? What are the features of WinZip to compress files and folders ?
2. Write difference between WinZip and PKZIP utilities.
3. What is winrar and Why winrar is important