

Program:

Coding Python

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RUN

MENU

```
1 import zipfile
2
3 # Function to compress a file
4 def compress_file(input_file, output_zip):
5     with zipfile.ZipFile(output_zip, 'w', zipfile.ZIP_DEFLATED) as zipf:
6         zipf.write(input_file)
7     print(f"File '{input_file}' compressed into '{output_zip}'")
8
9 # Function to decompress a file
10 def decompress_file(zip_file, output_file):
11     with zipfile.ZipFile(zip_file, 'r') as zipf:
12         zipf.extractall()
13     print(f"File '{zip_file}' decompressed successfully")
14
15 # Running the program
16 if __name__ == "__main__":
17     input_file = "example.txt"      # Original file
18     output_zip = "compressed.zip"  # Compressed file
19     output_file = "example.txt"    # File after decompression
20
21     # Creating a sample text file
22     with open(input_file, "w") as file:
23         file.write("This is a simple file zipper example.")
24
25     # Compressing the file
26     compress_file(input_file, output_zip)
27
28     # Decompressing the file
29     decompress_file(output_zip, output_file)
```

Output Of Program:

Compile Result

```
File 'example.txt' compressed into 'compressed.zip'
```

```
File 'compressed.zip' decompressed successfully
```

```
[Process completed - press Enter]
```