

```

def fast_copy(source, count):
    # Allocate destination
    dest = [None] * count

    i = 0

    # Number of elements not fitting into a full group of 8
    remainder = count % 8

    # ---- Partial group handling (explicit control flow, no loop) ----
    # Structured so execution "enters" at the correct point and
    # proceeds sequentially.
    if remainder >= 1:
        dest[i] = source[i]
        i += 1
    if remainder >= 2:
        dest[i] = source[i]
        i += 1
    if remainder >= 3:
        dest[i] = source[i]
        i += 1
    if remainder >= 4:
        dest[i] = source[i]
        i += 1
    if remainder >= 5:
        dest[i] = source[i]
        i += 1
    if remainder >= 6:
        dest[i] = source[i]
        i += 1
    if remainder >= 7:
        dest[i] = source[i]
        i += 1

    # ---- Main transfer loop: exactly 8 assignments per iteration ----
    groups = count // 8
    while groups > 0:
        dest[i] = source[i]
        dest[i + 1] = source[i + 1]
        dest[i + 2] = source[i + 2]
        dest[i + 3] = source[i + 3]
        dest[i + 4] = source[i + 4]
        i += 8
        groups -= 1

```

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dest[i + 5] = source[i + 5]
dest[i + 6] = source[i + 6]
dest[i + 7] = source[i + 7]

i += 8
groups -= 1

return dest

source = [1, 2, 3, 4, 5, 6, 7, 8, 9]
count = 8

print(fast_copy(source, count))

```

EXPLORER    ...

NO FOLDER OPENED

You have not yet opened a folder.

[Open Folder](#)

Opening a folder will close all currently open editors. To keep them open, [add a folder](#) instead.

You can clone a repository locally.

[Clone Repository](#)

To learn more about how to use Git and source control in VS Code [read our docs](#).

fast\_copy\_SikkandharBatcha\_J.py.py    madhan.py X

```

C: > Users > library > Desktop > madhan.py > [o] source
1 def fast_copy(source, count):
44     dest[i + 6] = source[i + 6]
45     dest[i + 7] = source[i + 7]
46
47     i += 8
48     groups -= 1
49
50     return dest
51
52 source = [1, 2, 3, 4, 5, 6, 7, 8, 9]
53 count = 8
54
55 print(fast_copy(source, count))
56

```

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

```

PS C:\Users\library> cd C:\Users\library\Desktop\madhan.py
cd : Cannot find path 'C:\Users\library\Desktop\madhan.py' because it does not exist.
At line:1 char:1
+ cd C:\Users\library\Desktop\madhan.py
+ ~~~~~
    + CategoryInfo          : ObjectNotFound: (C:\Users\library\Desktop\madhan.py:String) [Se
    + FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.SetLocationCommand

PS C:\Users\library> cd C:\Users\library\Desktop
PS C:\Users\library\Desktop> python madhan.py
PS C:\Users\library\Desktop> python madhan.py
[1, 2, 3, 4, 5, 6, 7, 8]
PS C:\Users\library\Desktop> []

```

> OUTLINE    > TIMELINE

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