

```
def convert(num):
    octalDigit = 0
    count = 1
    i = 0
    pos = 0
    octalArray = [0] * 32

    while num != 0:
        digit = num % 10
        octalDigit += digit * pow(2, i)
        i += 1
        num //= 10
        octalArray[pos] = octalDigit
        if count % 3 == 0:
            octalDigit = 0
            i = 0
            pos += 1

        count += 1
    for j in range(pos, -1, -1):
        print(octalArray[j], end='')

binary = int(input("Enter a binary number:"))
convert(binary)
```

```
Python 3.11.1 (tags/v3.11.1:a7a450f, Dec 6 2022, 19:58:39) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
= RESTART: C:/Users/rojit/AppData/Local/Programs/Python/Python311/binary to octal converter.py
Enter a binary number:1010
12

>>>
= RESTART: C:/Users/rojit/AppData/Local/Programs/Python/Python311/binary to octal converter.py
Enter a binary number:1111
17

>>>
= RESTART: C:/Users/rojit/AppData/Local/Programs/Python/Python311/binary to octal converter.py
Enter a binary number:111101
075

>>>
```