

## OCTAL TO Binary CONVERSION

EXP NO: 29

AIM: To write a C program to implement octal to binary conversion.

### PROGRAM:

```
#include <stdio.h>

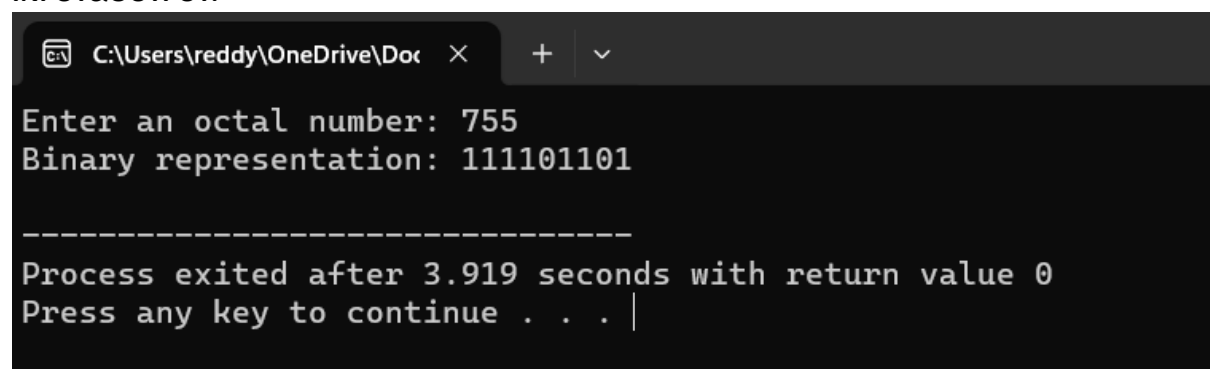
int main() {
    int octal;

    printf("Enter an octal number: ");
    scanf("%o", &octal);

    printf("Binary representation: ");
    for (int i = 8; i >= 0; i--) {
        int mask = 1 << i;
        printf("%d", (octal & mask)? 1 : 0);
    }
    printf("\n");

    return 0;
}
```

### INPUT&OUTPUT:



```
C:\Users\reddy\OneDrive\Doc  ×  +  ▾

Enter an octal number: 755
Binary representation: 111101101

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Process exited after 3.919 seconds with return value 0
Press any key to continue . . . |
```

**RESULT:** Thus the program was executed successfully using DevC++.