

## OCTAL TO DECIMAL CONVERSION

EXP NO: 29

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

### ALGORITHM:

- 1) Store the remainder when the number is divided by 8 in an array.
- 2) Divide the number by 8 now
- 3) Repeat the above two steps until the number is not equal to 0.
- 4) Print the array in reverse order now.

### PROGRAM:

```
#include <stdio.h>

int main() {
    int octal;

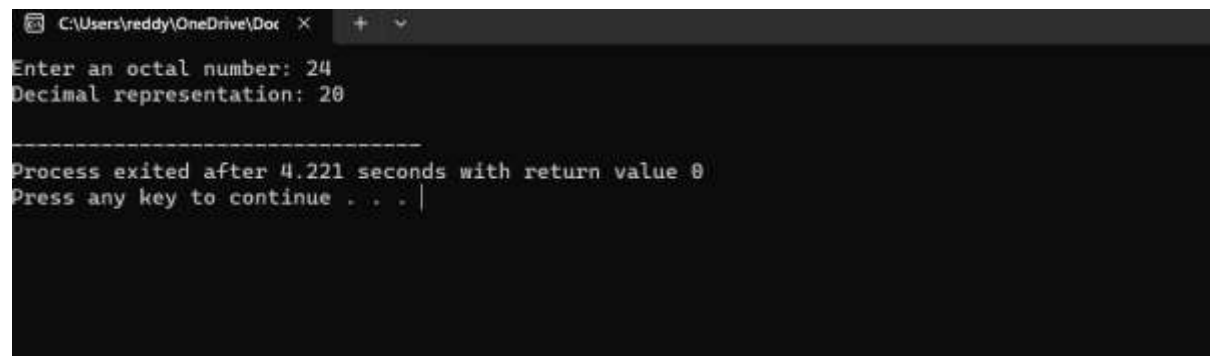
    printf("Enter an octal number: ");

    scanf("%o", &octal);

    printf("Decimal representation: %d\n", octal);

    return 0;
}
```

### INPUT&OUTPUT:



```
C:\Users\reddy\OneDrive\Doc x + v
Enter an octal number: 24
Decimal representation: 20

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Process exited after 4.221 seconds with return value 0
Press any key to continue . . . |
```

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