

## OCTAL TO BINARY CONVERSION:

### PROGRAM:

```
#include<stdio.h>
#include<math.h>
int OctalToDecimal(int n) {
int p = 0, decimal = 0, r;
while(n>0){
    // retrieving the right-most digit of n
    r = n % 10;
    // dividing n by 10 to remove the
    // right-most digits since it is already
    // scanned in previous step
    n = n / 10;
    decimal = decimal + r * pow( 8 , p
);
    ++p;
}
return decimal;
}
int main() {

int n, i, k;
printf("Enter Octal: ");
scanf("%d", &n);
printf("\nDecimal of Octal Number %d is : %d", n, OctalToDecimal(n));
return 0;
}
```

### INPUT & OUTPUT:

C:\Dev-Cpp\Computer Architecture (192212462) Exp 25.exe

Enter Octal: 558

Decimal of Octal Number 558 is : 368

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Process exited after 2.853 seconds with return value 0

Press any key to continue . . .

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