DECIMAL TO OCTAL NUMBER

PROGRAM:

|  |
| --- |
| #include <stdio.h> |
|  | int main() |
|  | { |
|  | long decimalnum, remainder, quotient,octalnum=0; |
|  | int octalNumber[100], i = 1, j; |
|  | printf("Enter the decimal number: "); |
|  | scanf("%ld", &decimalnum); |
|  | quotient = decimalnum; |
|  | while (quotient != 0) |
|  | { |
|  | octalNumber[i++] = quotient % 8; |
|  | quotient = quotient / 8; |
|  | } |
|  | for (j = i - 1; j > 0; j--) |
|  | octalnum = octalnum\*10 + octalNumber[j]; |
|  | printf("Equivalent octal value of decimal no %d is: %d ", decimalnum,octalnum); |
|  | return 0; |
|  | } |

OUTPUT:

Enter the decimal number: 45

Equivalent octal value of decimal no 45 is: 55

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Process exited after 5.244 seconds with return value 0

Press any key to continue . . .