28 July

**C Program to convert decimal to octal.**

#include <stdio.h>

#include <math.h>

int convertDecimalToOctal(int decimalNumber);

int main()

{

int decimalNumber;

printf("Enter a decimal number: ");

scanf("%d", &decimalNumber);

printf("%d in decimal = %d in octal", decimalNumber, convertDecimal ToOctal(decimal number));

return 0;

}

int convertDecimalToOctal(int decimalNumber)

{

int octalNumber = 0, i = 1;

while (decimalNumber != 0)

{

octalNumber += (decimalNumber % 8) \* i;

decimalNumber /= 8;

i \*= 10;

}

return octalNumber;

}