```
#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;
}
int convert(long long n) {
int dec = 0, i = 0, rem;
while (n!=0) {
rem = n % 10;
n /= 10;
dec += rem * pow(2, i);
++i;
}
return dec;
}
```