

Convert Octal to Decimal

EXP NO 34

```
#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;
```

```
}
```

OUTPUT;

