BASICS

```
printf("Enter the binary number: ");
scanf("%d", &binary);
decimal = 0, weight = 1;
while(binary != 0)
   rem = binary % 10;
   decimal = decimal + rem*weight;
   binary = binary / 10;
   weight = weight*2;
```

```
1 0 0 1

rem = 1

decimal = 1

binary = 1 0 0

weight = 1*2 = 2
```