

```
1: #include <stdio.h>
2: #include <stdlib.h>
3:
4: int main()
5: {
6:     int b7,b6,b5,b4,b3,b2,b1,b0;
7:     float tmp;
8:
9:     printf("Enter Binary floating point ( b b b b.f f f f) : ");
10:    scanf("%d %d %d %d.%d %d %d %d",&b7,&b6,&b5,&b4,&b3,&b2,&b1,&b0);
11:    printf("Binary = %d%d%d%d.%d%d%d%d\n",b7,b6,b5,b4,b3,b2,b1,b0);
12:
13:    tmp = b7*8 + b6*4 + b5*2 + b4*1 + (float)b3*1/2+ (float)b2*1/4 + (float)b1*1/8 + (float)b0*1/16;
14:    printf("Decimal = %f\n",tmp);
15:    return 0;
16: }
```