//Some extra tasks

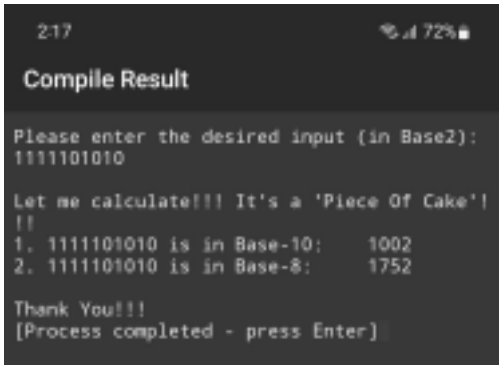
Task: Write a Program that reads a binary number as input and produces the decimal and octal number as output.

Code:

```
#include<stdio.h>
//Shariful Islam Emon 213902056
int main()
{
    int n,bin,dec=0,oct=0,base=1,rem,i=1;
    printf("Please enter the desired input (in Base2): ");
    scanf("%d",&n);
    printf("\nLet me calculate!!! It's a 'Piece Of Cake'!!!\n");
    bin=n;
    while(n>0)
    {
        rem=n%10;
        dec+=rem*base;
        n=n/10;
        base=base*2;
    }
    printf("1. %d is in Base-10: %d\n",bin,dec);
    while(dec!=0)
    {
        oct+=(dec%8)*i;
        dec/=8;
        i*=10;
    }
    printf("2. %d is in Base-8: %d\n",bin,oct);

    printf("\nThank You!!!");
    return 0;
}
```

Output:


2:17
72%
Compile Result
Please enter the desired input (in Base2):
1111101010
Let me calculate!!! It's a 'Piece Of Cake'!
!!
1. 1111101010 is in Base-10: 1002
2. 1111101010 is in Base-8: 1752
Thank You!!!
[Process completed - press Enter]