

ASSIGNMENT-1

CO

Answer.1)

Code:

C file:

```
#include<stdio.h>
#include<stdlib.h>
#include "1my.h"

int main(int argc, char *d[])
{
    Long Long int b = dtob(atoi(d[1]));

    printf("The binary number of %d is %lld.\n", atoi(d[1]),b);
}
```

Header file:

```
Long Long int dtob(Long Long int decimal)
{
    Long Long int binary=0,x=1;
    while((x*2)<=decimal)
        x*=2;

    while(x>0)
    {
        Long Long int a=decimal/x;
        decimal-=a*x;
        x/=2;
        binary=binary*10+a;
    }
    return binary;
}
```

Output:

```
PS C:\Users\Dharmesh\Desktop\HEMANSHI\C Program> gcc 1my.c
PS C:\Users\Dharmesh\Desktop\HEMANSHI\C Program> ./a.exe 1234
The binary number of 1234 is 10011010010.
PS C:\Users\Dharmesh\Desktop\HEMANSHI\C Program> ./a.exe 100
The binary number of 100 is 1100100.
PS C:\Users\Dharmesh\Desktop\HEMANSHI\C Program> █
```