Name : Bhuvanesh Trivedi
UID: 2020400067
SEIT Batch : D
Aim: Assume that a system has a 32-bit virtual address with a 4-KB page size. Write a C program that is passed a virtual address (in decimal) on the command line and have it output the page number and offset for the given address. As an example, your program would run as follows:
./a.out 19986
Your program would output:
The address 19986 contains:
page number = 4
offset = 3602
Writing this program will require using the appropriate data type to store 32 bits. We encourage you to use unsigned data types as well.
Code:

```
#include<stdio.h>
int main(){
        unsigned int LA,P;
        printf("Enter LA and page size:");
        scanf("%d %d",&LA,&P);
        printf("Page number: %d\nPage offest: %d\n",LA/P,LA%P);
        return 0;
}
```

Output: