Practical No.1
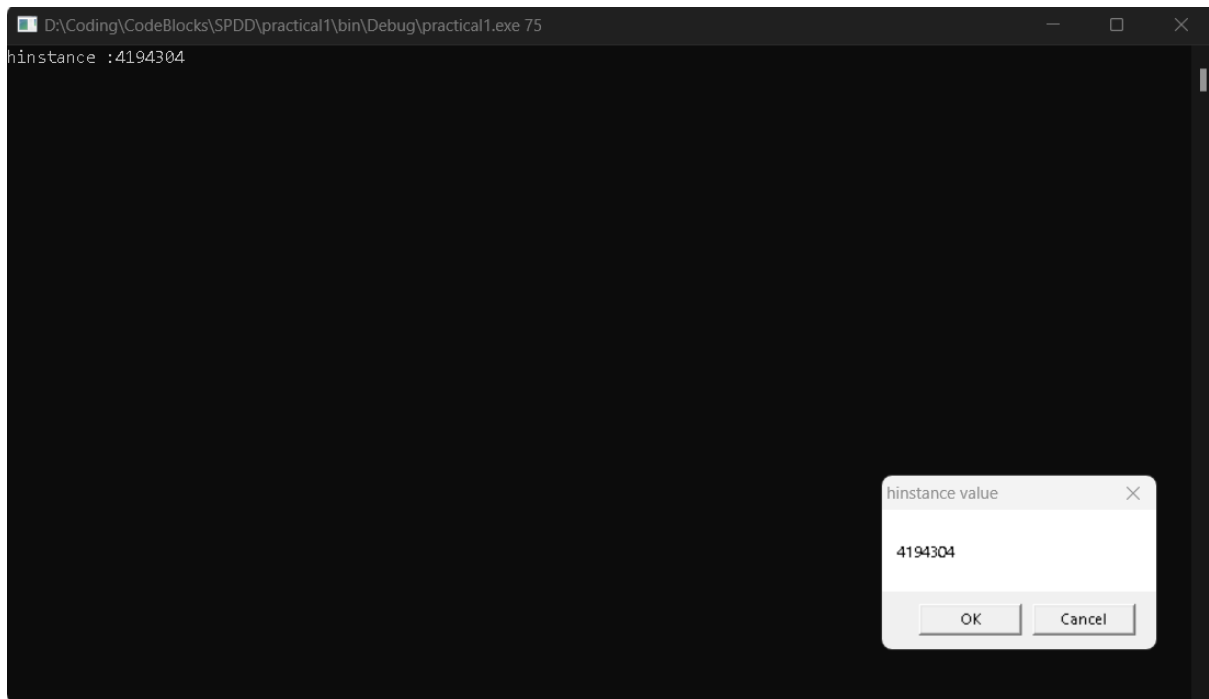
a. <u>Write a program that prints the value of hInstance in a message box.</u>

<u>Code:</u>

```c
#include<windows.h>
#include<stdio.h>

int WINAPI WinMain(HINSTANCE hinstance, HINSTANCE preinstance, LPSTR
lpstr, int cmdshow){
    char ch[100];
    sprintf(ch, "%d", hinstance);
    printf("hinstance :%d", hinstance);
    MessageBox(0, ch, "hinstance value", MB_OKCANCEL);
    return 0;
}
```

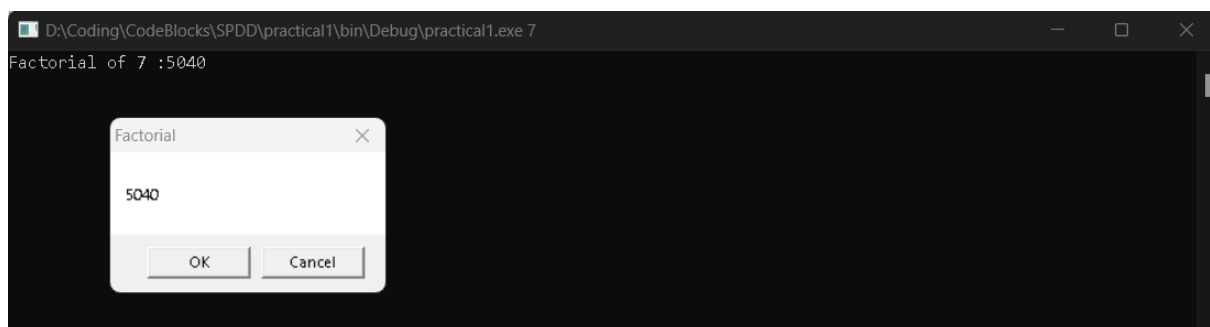<u>Output:</u>

b. <u>Write a program that receives a number as a command line argument and prints its factorial value in a message box.</u>

Code:

```c
#include<windows.h>
#include<stdio.h>

int WINAPI WinMain(HINSTANCE hinstance, HINSTANCE preinstance, LPSTR lpstr, int cmdshow){
    char ch[100];
    int n;
    n = atoi(lpstr);
    int fact, i;
    fact = n;
    if(n == 0){
        fact = 1;
        printf("Factorial of %d :%d" ,n ,fact);
        sprintf(ch, "%d", fact);
        MessageBox(0, ch, "Factorial", MB_OKCANCEL);
    }
    else{
        for(i = (n - 1); i >= 1; i--){
            fact = fact * i;
        }
        printf("Factorial of %d :%d" ,n ,fact);
        sprintf(ch, "%d", fact);
        MessageBox(0, ch, "Factorial", MB_OKCANCEL);
    }
    return 0;
}
```

Output:

c. <u>Write a program that receives a multiple word string as a command line argument and prints number of words in string in a message box.</u>

<u>Code:</u>

```
#include<windows.h>
#include<stdio.h>

int WINAPI WinMain(HINSTANCE hinstance, HINSTANCE preinstance, LPSTR
lpstr, int cmdshow){
    char ch[100];
    int c = 0, i = 0;
    while(lpstr[i] != '\0'){
        if(lpstr[i] == ' '){
            c++;
        }
        i++;
    }
    printf("Word count of {Rahul Baser CSE A} :%d", c);
    sprintf(ch, "%d", c);
    MessageBox(0, ch, "Word Counter", MB_OKCANCEL);
    return 0;
}
```

<u>Output:</u>