

Sec → 8

1

```
#include <stdio.h>
main ( )
{
    int i;
    double fact = 1, sum = 0, div;

    clrscr ( );
    for (i = 1; i <= 7; i++)
    {
        fact *= i;
        div = i / fact
        sum += div
    }
    printf("\n Sum of first Seven Terms  $1/1! + 2/2!$ 
    + ... +  $i/i!$  = %d / %d != %d",
    i, i, sum);
    getch ( );
}
```

Output :-

Sum of first Seven Terms : $1/1! + 2/2!$
... + $7/7!$ = 2.71667