19.Write a program to find the Hit ratio for the given number of Hits and Misses in Cache memory using any high level language.

AIM:
To find the Hit ratio for the given number of Hits and Misses in Cache memory using C program.

PROGRAM:

```c
#include <stdio.h>
int main()
{
 float cachehit, cachemiss;
 float cachehitratio;
 printf("\n enter the total number of cache hits:");
 scanf("%d",&cachehit);
 printf("\n enter the number of cache misses:");
 scanf("%d",&cachemiss);
 cachehitratio=cachehit/(cachehit+cachemiss);
 printf("\n Cache Hit Ratio: %f",cachehitratio);
 printf("\n Cache Miss Ratio: %f",1-cachehitratio);
 return 0;
}
```

OUTPUT:

```
D:\LAB JAN 2023\Computer Architecture lab\19 cache hit ratio.exe

enter the total number of cache hits:15

enter the number of cache misses:6

Cache Hit Ratio: 0.714286
Cache Miss Ratio: 0.285714
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Process exited after 11.53 seconds with return value 0
Press any key to continue . . .
```

RESULT:

Thus the program to find hit ratio was successfully executed.