```
INSTRUCTION 2 Details :
---------------------------
Enter Operators :
3 4
Enter Operand : | 1. Add | 2. Subtract |
1

INSTRUCTION 3 Details :
---------------------------
Enter Operators :
5 1
Enter Operand : | 1. Add | 2. Subtract |
2

PIPELINE :
-----------
Inst 1 :          |   IF  |   E   |
                      ------------------
Inst 2 :                 |   IF  |   E   |
                             ------------------
Inst 3 :                        |   IF  |   E   |
                                    ------------------

RESULTS :
-----------
I1 : 5
I2 : 7
I3 : 4

Total Cycles Required : 4
```

```
INSTRUCTION 1 Details :
-----------------------------
Enter Operands :
2 3
Enter Operator : | 1. AND | 2. OR | 3. NAND |
1

INSTRUCTION 2 Details :
-----------------------------
Enter Operands :
4 5
Enter Operator : | 1. AND | 2. OR | 3. NAND |
2

INSTRUCTION 3 Details :
-----------------------------
Enter Operands :
1 2
Enter Operator : | 1. AND | 2. OR | 3. NAND |
3

PIPELINE :
-----------
Inst 1 :        |   IF  |   D  |   E  |
                  ---------------------------
Inst 2 :               |   IF  |   D  |   E  |
                         ---------------------------
Inst 3 :                      |   IF  |   D  |   E  |
                                ---------------------------

RESULTS :
-----------
I1 : 2
```

```
No. Of Instructions : 3

INSTRUCTION 1 Details :
-----------------------------
Enter Operands :
2 3
Enter Operator : | 1. Multiply | 2. Divide |
1

INSTRUCTION 2 Details :
-----------------------------
Enter Operands :
3 4
Enter Operator : | 1. Multiply | 2. Divide |
1

INSTRUCTION 3 Details :
-----------------------------
Enter Operands :
2 1
Enter Operator : | 1. Multiply | 2. Divide |
2

PIPELINE :
-----------
Inst 1 :        |  IF  |  D  |  E  |  W  |
                ------------------------------------
Inst 2 :             |  IF  |  D  |  E  |  W  |
                     ------------------------------------
Inst 3 :                  |  IF  |  D  |  E  |  W  |
                          ------------------------------------

RESULTS :
------------
I1 : 6
I2 : 12
I3 : 2
```

```
PS C:\Users\SAHOO\Desktop\SSE\COMPUTER ARCHITECTURE\LAB PROGRAMS> gcc exp_19_hitratio.c
PS C:\Users\SAHOO\Desktop\SSE\COMPUTER ARCHITECTURE\LAB PROGRAMS> ./a.exe

Enter Total No. Of Hits : 5
Enter Total No. Of Misses : 6
HIT RATIO : 0.454545
HIT PERCENTAGE : 45.454548
```