PATRICIAL

19

AIM:---WRITE A C PROGRAM TO
FIND $1+1/2+1/3+1/4+. +1/N$.

HIREN LALANI

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```c
#include<stdio.h>
int main()
{
int num,i,sum=0;
printf("Input any number: ");
scanf("%d",&num);
printf("1 + ");
for(i=2;i<=num-1;i++)
printf(" 1/%d +",i);
for(i=1;i<=num;i++)
sum = sum + i;
printf(" 1/%d",num);
printf("\nSum = 1/%d",sum+1/num);
return 0; }
```

Compile Result

```
Input any number: 3
1 +  1/2 + 1/3
Sum = 1/6
[Process completed - press Enter
]
```