**No 1** #include <stdio.h>

#include <stdlib.h>

int main()

{

float i,n,sum=0,avarage;

printf("enter the number=");

scanf("%f",&n);

for(i=1;i<=n;i++)

sum=sum+1/i;

printf("the sum is:%f\n",sum);

avarage=sum/n;

printf("the avarage is:%f\n",avarage);

return 0;}

**No 2** #include <stdio.h>

#include <stdlib.h>

int main()

{

int i,j,n,flag;

printf("enter the number=");

scanf("%d",&n);

for(i=1;i<n;i++)

{

for(j=2;j<i;j++){

if(i%j==0)

break;

else

flag=i; }

}

printf("prime is=%d",flag);

return 0;

}

**No 3**